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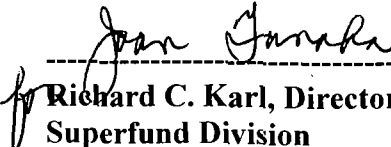
FIRST FIVE-YEAR REVIEW REPORT FOR

BELOIT CORP.
Superfund Site
Winnebago County, Illinois



Prepared by

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Springfield, Illinois



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9/27/13

Date

Table of Contents

Executive Summary	i
Five-Year Review Summary Form	iii
I. Introduction.....	1
II. Progress Since the Last Five-Year Review.....	1
III. Remedy Implementation Activities	2
Site-Wide	2
System Operation/Operation and Maintenance Activities.....	2
Institutional Controls	2
Table 1 Summary of Planned and/or Implemented ICs.....	2
IV. Five-Year Review Process.....	4
Administrative Components	4
Community Notification and Involvement	4
Document Review.....	4
Data Review.....	5
Site Inspection.....	6
Interviews.....	6
V. Technical Assessment.....	6
Question A: Is the remedy functioning as intended by the decision documents?	6
Question B:.....Are the exposure assumptions, toxicity data, cleanup levels, and remedial action objectives (RAOs) used at the time of the remedy section still valid?	7
Question C: Has any other information come to light that could call into question the protectiveness of the remedy?.....	8
Technical Assessment Summary	9
VI. Issues/Recommendations and Follow-up Actions.....	9
VII. Protectiveness Statement.....	10
VIII. Next Review.....	10
APPENDIX.....	A-1
APPENDIX A – Existing Site Information	A-1
APPENDIX B – Additional Maps, Data, Figures, Or Tables For Reference.....	B-1
APPENDIX C – Groundwater Trend Analysis	C-1
APPENDIX D - Site Inspection Checklist.....	D-1
APPENDIX E - Community Surveys	E-1
APPENDIX F - Environmental Covenant	F-1
APPENDIX G - 2013 Residential Groundwater Results.....	G-1
APPENDIX H - NPDES Permit	H-1

List Acronyms

AOC	Administrative Order on Consent
ARAR	Applicable or Relevant and Appropriate Requirement
AS	Air Stripper
bgs	Below ground surface
CD	Consent Decree
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CFR	Code of Federal Regulations
CIC	Community Involvement Coordinator
DCA	1,1-Dichloroethane
DNAPL	Dense non-aqueous phase liquid
EC	Environmental Covenant
EPA	United States Environmental Protection Agency
ESD	Explanation of Significant Differences
FYR	Five-Year Review
GMZ	Groundwater Management Zone
ICs	Institutional Controls
ICIAP	Institutional Controls Implementation and Assurance Plan
ISCA	Interim Source Control Action
IDPH	Illinois Department of Public Health
IEPA	Illinois Environmental Protection Agency
LNAPL	Light non-aqueous phase liquid
LTRA	Long-term remedial action
LTS	Long Term Stewardship
MCL	Maximum contaminant level
NAPL	Non-aqueous phase liquid
NCP	National Contingency Plan
NPL	National Priorities List
O&M	Operation and Maintenance
PCE	Tetrachloroethene, Perchloroethene, Perchloroethylene
PRP	Potentially Responsible Party
RA	Remedial Action
RAC	Response Action Contractor
RAO	Remedial Action Objectives
RD	Remedial Design
ROD	Record of Decision
RI/FS	Remedial Investigation/Feasibility Study
RPM	Remedial Project Manager
TCA	1,1,1 -Trichloroethane
TACO	Tiered Approach to Corrective Action Objectives
TCE	1,1,2-Trichloroethene, 1,1,2-Trichloroethylene
µg/kg	microgram per kilogram
UU/UE	Unlimited Use/Unrestricted Exposure
VI	Vapor intrusion
VOC	Volatile Organic Compound
WCHD	Winnebago County Health Department

Executive Summary

This is the first Five-Year Review (FYR) for the Beloit Corp. Superfund Site (Site) located in the Village of Rockton, Winnebago County, Illinois. The Site area includes the former Beloit Corp. (Beloit) property (now consisting of two parcels of land), the neighboring Blackhawk Acres subdivision, the former Soterion/United Recovery facility, a portion of the Taylor, Inc. property, and the Safe-T-Way property. The Site was listed on the National Priorities List in 1990. The purpose of this FYR is to review information to determine if the remedy is and will continue to be protective of human health and the environment. The triggering action for this statutory FYR is the signing of the preliminary close-out report (PCOR) on September 29, 2008.

Beginning in 1957, Beloit manufactured paper-making machines for layered paper products resulting in the volatile organic compound (VOC) contamination of soil and groundwater likely from the use of solvents to clean machine parts. The contaminated groundwater presented a threat to drinking water supplies in the surrounding area.

The State of Illinois filed a lawsuit in the United States District Court for the Northern District of Illinois, Western Division, alleging that Beloit was liable for the VOC release under the Illinois Environmental Protection Act and the federal Comprehensive Environmental Response, Compensation and Liability Act (CERCLA or Superfund). In an October 17, 1991 consent decree between Beloit and the Illinois EPA (IEPA), Beloit agreed to perform a Remedial Investigation (RI) and Feasibility Study (FS) with RI/FS oversight by IEPA. In April 1996, the Illinois EPA issued an Action Memorandum for Beloit to implement an Interim Source Control Action (ISCA) for the site. The system consisted of four extraction wells and an air stripper tower located in the southeastern corner of the Beloit property. The system is designed to contain groundwater within the Beloit property and provide treatment of extracted groundwater by air stripping. Treated groundwater is discharged to the Rock River at an outfall located on Beloit property under a National Pollutant Discharge Elimination System (NPDES) permit.

When Beloit filed for bankruptcy in 1999, the United States Environmental Protection Agency (EPA) filed a claim for its estimated future remedial action (RA) costs and the response costs it had already incurred. The court subsequently entered a reorganization plan, which among other things: (1) transferred ownership of all assets and liabilities (including the Beloit property) to the Beloit Liquidating Trust (the Trust); and (2) created an interest-bearing EPA holdback account for \$5.87 million to cover the costs for EPA and IEPA to perform the remedial work necessary for the site.

In 2002, the United States, EPA, and the State of Illinois (the Governments) entered into a settlement agreement (the Agreement) with Giuffre II, LLC (Giuffre), the purchaser of the contaminated Beloit property from the Trust. Under the Agreement, the Governments gave Giuffre liability protection and a covenant not to sue for existing contamination on the Beloit property, the benefits of which would inure to a "successor in interest" or "assign," provided that the successor in interest or assign complied with certain requirements set forth in the Agreement.

On March 18, 2003, Giuffre sold to PPC Investment Group LLC (PPC) a portion of the Property located at 1155 Prairie Hill Rd. in Rockton, Illinois (the PPC Property). PPC then leased the PPC Property to Paperchine, Inc. (Paperchine).

On January 31, 2008, Giuffre deeded the other parcel comprising the property to the Rock River Land Development Company (Rock River Co.). Chemtool Inc. is the current operator of this parcel, which is

located at 1165 Prairie Hill Rd., Rockton, IL 61072 (the Chemtool Property). The Chemtool Property includes the former location of Beloit's manufacturing operations which is the source area of the site contamination.

On September 27, 2004, IEPA and EPA issued the Record of Decision (ROD) to address groundwater contamination at the site, followed by an Explanation of Significant Differences (ESD) memorandum on September 26, 2007 requiring enhancements to the existing ISCA pump and treat system by installing additional extraction wells. IEPA completed construction of the enhancements on September 29, 2008.

The selected remedy for the site as modified by the ESD requires: (1) the continued operation of the existing groundwater pump and treat system at the source area on the former Beloit facility; (2) installation of additional extraction wells; (3) operation and maintenance of the pump and treat system; (4) groundwater monitoring; and (5) implementation of institutional controls (ICs). The ICs consisted of deed restrictions: (1) restricting or limiting the use of the land to industrial land use; (2) prohibiting the construction of new or non-existing wells or consumptive use of groundwater underlying the Property; (3) prohibiting any activity that may interfere with or would affect the integrity or the continuation of the remedial action (RA) at the site, or the operation and maintenance of any RA component; and (4) granting to authorized representatives of IEPA and EPA the right to enter and have continued access at reasonable times to the site to perform the RA. The covenants would remain in effect until the groundwater under the property is restored to the more stringent of either the federal maximum contaminant levels (MCLs) or State of Illinois Class I groundwater standards for all contaminants of concern.

The ROD and ESD also required a Groundwater Management Zone (GMZ), pursuant to Ill. Admin. Code 35 § 620.250 (2008), be established for both the On-Property and Off-Property Plumes. In addition to the Beloit property, the GMZ would also include the southern portion of the Blackhawk Acres subdivision. The GMZ would be managed to mitigate impairment caused by the release of contaminants from the site. The GMZ would work in conjunction with local ordinances limiting groundwater use in Winnebago County and in the Village of Rockton, and Winnebago County Ordinances concerning new private well construction. In general, the ordinances do not allow construction of a new private well where a public water supply distribution system is available and requires a permit from the Winnebago County Department of Health for the construction of new wells.

After conducting this FYR, a protectiveness determination cannot be made until further information is obtained to assess the vapor intrusion pathway. Further information will be obtained by performing a deep soil gas evaluation of residences in the plume area and updating the groundwater conceptual site model. After completing these efforts, a protectiveness determination will be made.

Five-Year Review Summary Form

SITE IDENTIFICATION		
Site Name: Beloit Corp. Superfund Site		
EPA ID: ILD981000417		
Region: 5	State: IL	City/County: Rockton/Winnebago
SITE STATUS		
NPL Status: Final		
Multiple OUs? No	Has the site achieved construction completion? Yes	
REVIEW STATUS		
Lead agency: State		
Author name (Federal or State Project Manager): Michael V. Haggitt		
Author affiliation: Remedial Project Manager, Illinois EPA		
Review period: 4/1/2013 - 9/29/2013		
Date of site inspection: 4/10/2013		
Type of review: Policy		
Review number: 1		
Triggering action date: 9/29/2008		
Due date (five years after triggering action date): 9/29/2013		

Issues/Recommendations				
OU(s) without Issues/Recommendations Identified in the Five-Year Review:				
None				
Issues and Recommendations Identified in the Five-Year Review:				

OU(s): 1	Issue Category: Remedy Performance			
	Issue: There are potential vapor intrusion risks to residents from the site plume			
	Recommendation: Perform a deep soil gas evaluation of residences in the plume area			
Affect Current Protectiveness	Affect Future Protectiveness	Party Responsible	Oversight Party	Milestone Date
No	Yes	IEPA	EPA	12/31/2014

OU(s): 1	Issue Category: Institutional Controls			
	Issue: ICs need to be fully implemented			
	Recommendation: An IC work plan needs to be finalized and implemented to ensure long-term protectiveness of the remedy			
Affect Current Protectiveness	Affect Future Protectiveness	Party Responsible	Oversight Party	Milestone Date
No	Yes	EPA/IEPA	EPA/IEPA	12/31/2014

OU(s): 1	Issue Category: Changed Site Conditions			
	Issue: The long-term protectiveness of the plume attenuation remedy needs to be determined			
	Recommendation: An update to the groundwater model needs to be conducted			
Affect Current Protectiveness	Affect Future Protectiveness	Party Responsible	Oversight Party	Milestone Date
No	Yes	IEPA	EPA	12/31/2014

OU(s): 1	Issue Category: Institutional Controls			
	Issue: A Groundwater Management Zone (GMZ) needs to be implemented			
	Recommendation: Prepare paperwork establishing a GMZ			
Affect Current Protectiveness	Affect Future Protectiveness	Party Responsible	Oversight Party	Milestone Date
No	Yes	IEPA	EPA	12/31/2014

Protectiveness Statement(s)		
<i>Operable Unit:</i> N/A	<i>Protectiveness Determination:</i> Protectiveness Deferred	<i>Addendum Due Date:</i> 12/31/2014
<i>Protectiveness Statement:</i> A protectiveness determination cannot be made at this time until further information is obtained. Further information will be obtained by performing a vapor intrusion evaluation in the plume area and updating the groundwater conceptual site model. It is expected that these actions will take approximately one year to complete, at which time a protectiveness determination will be made.		

Site-wide Protectiveness Statement	
<i>Protectiveness Determination:</i> Protectiveness Deferred	<i>Addendum Due Date:</i> 12/31/2014
<i>Protectiveness Statement:</i> A protectiveness determination cannot be made at this time until further information is obtained. Further information will be obtained by performing a vapor intrusion evaluation in the plume area and updating the groundwater conceptual site model. It is expected that these actions will take approximately one year to complete, at which time a protectiveness determination will be made.	

I. Introduction

The purpose of a FYR is to evaluate the implementation and performance of a remedy in order to determine if the remedy will continue to be protective of human health and the environment. The methods, findings, and conclusions of reviews are documented in five-year review reports. In addition, FYR reports identify issues found during the review, if any, and document recommendations to address them.

EPA prepares FYRs pursuant to Section 121 of CERCLA and the National Contingency Plan (NCP), 40 C.F.R. Section 300, *et seq.* Section 121 of CERCLA states:

If the President selects a remedial action that results in any hazardous substances, pollutants, or contaminants remaining at the site, the President shall review such remedial action no less often than each five years after the initiation of such remedial action to assure that human health and the environment are being protected by the remedial action being implemented. In addition, if upon such review it is the judgment of the President that action is appropriate at such site in accordance with section [104] or [106], the President shall take or require such action. The President shall report to the Congress a list of facilities for which such review is required, the results of all such reviews, and any actions taken as a result of such reviews.

EPA interpreted this requirement further in the NCP at 40 C.F.R. § 300.430(f)(4)(ii), which states:

...If a remedial action is selected that results in hazardous substances, pollutants, or contaminants remaining at the site above levels that allow for unlimited use and unrestricted exposure, the lead agency shall review such actions no less often than every five years after the initiation of the selected remedial action...

IEPA conducted the FYR on the remedy implemented at the Beloit Corp. Superfund site in the Village of Rockton, Winnebago County, Illinois. IEPA is the lead agency for developing and implementing the remedy for the site. EPA has reviewed all supporting documentation and provided input to IEPA during the FYR process.

This is the first FYR for the Beloit Corp. Superfund site. The triggering action for this policy review is the signature date of the Preliminary Close-out Report on September 29, 2008. The FYR is required because hazardous substances, pollutants, or contaminants remain at the site above levels that allow for unlimited use and unrestricted exposure for more than five years after construction completion.

II. Progress Since the Last Five-Year Review

This is the first Five-Year Review for the site.

III. Remedy Implementation Activities

Site-Wide

The ROD, as modified by the ESD, requires: (1) the continued operation of the existing groundwater pump and treat system at the source area on the former Beloit facility; (2) installation of additional extraction wells (3) groundwater monitoring; (4) operation and maintenance of the pump and treat system; and (5) implementation of ICs to prohibit the withdrawal of the shallow groundwater for potable use.

System Operation/Operation and Maintenance Activities

The pump and treat/ISCA system has been in operation at the site since July 2, 1996. The ISCA system captures and treats contaminated groundwater at the former Beloit facility, before discharging into the Rock River. Extraction Wells 6, 7 and 8 were installed in 2008, as required in the ESD, to help control the source area from spreading any further. Through semi-annual groundwater monitoring of the site, IEPA continues to characterize the overall site contaminant plume. There are currently 21 well locations in the monitoring system, eight of which are nested wells screened in different elevations within the aquifer. Operations and maintenance (O&M) of the full ISCA system began in March 2009.

Institutional Controls

ICs are required to ensure the protectiveness of the remedy. ICs are non-engineered instruments, such as administrative and/or legal controls, that help minimize the potential for exposure to contamination and protect the integrity of the remedy. Compliance with ICs is required to assure long-term protectiveness for any areas which do not allow for unlimited use or unrestricted exposure (UU/UE).

The site consists of two land parcels, the PPC parcel and the Chemtool parcel. The status of the required ICs is identified in Table 1. An IC Study is needed to evaluate existing ICs and to determine if additional ICs are needed to ensure the protectiveness of the remedy.

Table 1: Summary of Planned and/or Implemented ICs

Media, engineered controls, and areas that do not support UU/UE based on current conditions	ICs Needed	ICs Called for in the Decision Documents	Impacted Parcel(s)	IC Objective	Title of IC Instrument Implemented and Date (or planned)
Groundwater	Yes	Yes	On-Property and Off-Property Plumes	Groundwater use restriction within the GMZ.	Groundwater Management Zone (GMZ), pursuant to Ill. Admin. Code 35 § 620.250 (2008), for both the On-Property and Off-Property Plumes - Planned
Groundwater	No	Yes	Off-site areas within contaminated plume	Prohibit construction of new private wells where public water supply system is available, and requires a permit from the Winnebago County Dept. of Health for	Local ordinances limiting groundwater use in Winnebago County - County Code Chapter 86 Article III Division 2 Sec. 86-111 (<i>Ord. No. 99-CO-84, 11-23-99</i> ;

Media, engineered controls, and areas that do not support UU/UE based on current conditions	ICs Needed	ICs Called for in the Decision Documents	Impacted Parcel(s)	IC Objective	Title of IC Instrument Implemented and Date (or planned)
				construction of new wells	<i>Ord. No. 2012-CO-027, 4-12-12) and Sec. 86-114 (Ord. No. 99-CO-84, 11-23-99)</i>
Groundwater and Soils	Yes	Yes	Chemtool parcel of the former Beloit facility	(1) restricting or limiting the use of the land to industrial land use; (2) prohibiting the construction of new or non-existing wells or consumptive use of groundwater underlying the Property; (3) prohibiting any activity that may interfere with or would affect the integrity or the continuation of the RA at the site, or the operation and maintenance of any RA component; and (4) granting to authorized representatives of IEPA and EPA the right to enter and have continued access to the site at reasonable times to perform the RA	Uniform Environmental Covenant, pursuant to the Illinois Uniform Environmental Covenants Act (UECA, 765 Illinois Compiled Statutes (ILCS) 122) to be completed with current property owner - Planned
Groundwater and Soils	Yes	Yes	PPC parcel of former Beloit facility	(1) restricting or limiting the use of the land to industrial land use; (2) prohibiting the construction of new or non-existing wells or consumptive use of groundwater underlying the Property; (3) prohibiting any activity that may interfere with or would affect the integrity or the continuation of the RA at the site, or the operation and maintenance of any RA component; and (4) granting to authorized representatives of IEPA and EPA the right to enter and have continued access to the site at reasonable times to perform the RA	Uniform Environmental Covenant, pursuant to the Illinois Uniform Environmental Covenants Act (UECA, 765 Illinois Compiled Statutes (ILCS) 122) filed with Winnebago County on February 7, 2013

ICs in the form of an Uniform Environmental Covenant, pursuant to the Illinois Uniform Environmental Covenants Act (UECA, 765 Illinois Compiled Statutes (ILCS) 122) have been placed on the PPC property and include: (1) restricting or limiting the use of the land to industrial land use; (2) prohibiting the construction of new or non-existing wells or consumptive use of groundwater underlying the Property; (3) prohibiting any activity that may interfere with or would affect the integrity or the continuation of the RA at the site, or the operation and maintenance of any RA component; and (4) granting to authorized representatives of IEPA and EPA the right to enter and have continued access to the site at reasonable times to perform the RA. The covenant remains in effect until the groundwater under the property is restored to the more stringent of either the federal maximum contaminant levels (MCLs) or State of Illinois Class I groundwater standards for all contaminants of concern. Similar ICs will also be placed on the Chemtool property.

An Institutional Controls Implementation and Assurance Plan (IC Plan) will be prepared to conduct additional IC evaluation activities such as examining title work to confirm ownership and no prior-in-time encumbrances exist which could interfere with the ICs; mapping of areas subject to ICs; evaluating the effectiveness of the GMZ, local ordinances and point-of-use filters; planning for additional ICs as needed; and preparing a Long Term Stewardship plan to assure that the ICs are maintained, monitored and enforced.

IV. Five-Year Review Process

Administrative Components

IEPA notified the local population of the initiation of the FYR on March 25, 2013. The Beloit Superfund site FYR was led by Eric Runkel, IEPA's former Remedial Project Manager for the site, and was assisted by David Seely, EPA's Remedial Project Manager for the site, and Michelle Tebrugge, IEPA's Community Involvement Coordinator.

The review began on February 5, 2013, and consisted of the following components:

- Community Involvement;
- Document Review;
- Data Review;
- Site Inspection; and
- Five-Year Review Report Development and Review.

Community Notification and Involvement

Activities to involve the community in the five-year review process were initiated on March 25, 2013 when a public notice for the site was published in the local newspapers, the "Rockford Register Star" and the "Rockton Herald," notifying the public of the five-year review and inviting the public to submit any comments to IEPA. The results of the review and the report will be made available at the site information repository located at the Talcott Public Library, Rockton, Illinois.

Document Review

This FYR consisted of a review of relevant documents including: (1) the 2004 ROD; (2) the May 8,

1991 Consent Decree; (3) the 2007 ESD; (4) monitoring data from the overall plume network; and (5) NPDES data from the ISCA system discharge. Applicable groundwater and soil cleanup standards, as listed in the September 27, 2004 ROD, were also part of the document review.

Data Review

Cleanup goals for groundwater contaminants are set to federal MCLs and/or Illinois Class I standards, whichever is more stringent. The following table provides the cleanup goals for each contaminant of concern (COC):

COC	Cleanup Goal
1,1 DCE	0.007 mg/L
1,2 DCA	0.005 mg/L
Carbon tetrachloride	0.005 mg/L
TCE	0.005 mg/L
PCE	0.005 mg/L

Overall, the April 2013 Ground Water Monitoring and Recovery System Report shows the area impacted by the contaminated groundwater plume has been significantly reduced. No exceedances of the cleanup goals were detected off of the Beloit property during the most recent round of groundwater sampling. Additionally, none of the samples from the most recent residential wells exceeded the cleanup goals. A summary of the 2013 residential groundwater sampling is included in Appendix G. Ground water monitoring further indicate that the contaminant plume has stabilized and continued migration of contaminated groundwater off-site is no longer occurring. In addition, IEPA samples the residential wells every two years to ensure that the groundwater containment system continues to be protective. Since 2001, the concentrations of contaminants in private residential wells have been below MCLs.

Sample results generated as a part of the overall plume groundwater monitoring program conducted by Bodine Environmental Inc. (Bodine), in accordance with the 2004 ROD and 2007 ESD were reviewed to evaluate trends in groundwater concentration and any changes in the plume outline. Extraction Wells 1 and 5 showed initial drops in total VOC concentrations but concentrations have been fairly steady over the last several years. This is to be expected due to the nature of dense non-aqueous phase liquid (DNAPL) in a heterogeneous soil. Extraction Wells 2, 3 and 4 have shown significant reductions in total VOCs over the 16 years of operating the pump and treat system. The addition of Extraction Wells 6, 7 and 8 in 2008 has further helped reduce VOCs at the site. The pump and treat system therefore has been effective at containing the source and preventing further migration on and off site.

Trend analysis was conducted on monitoring wells that have exceeded MCLs multiple times since groundwater monitoring began in the mid-1990s. A Mann-Kendall trend test using EPA's ProUCL software with a 95 percent confidence interval was developed. Overall, the data from 2008 to 2013 shows the concentrations are decreasing in all but three wells (W23, W52, and W23B) located near the extraction wells in the source area. The analysis of monitoring data estimates that the VOCs in wells W23 and W52 in the source area should attenuate and meet MCLs within the next 28 to 34 years. Deeper well W23B located near extraction well EW01, however, shows an increasing concentration trend, thus indicating that it will take longer than 34 years to meet MCLs for the entire source area. The surrounding wells outside of the source area are expected to attenuate to below MCLs within 28 to 34 years, assuming other conditions remain consistent. A summary of the trend analysis is included in Appendix C.

Samples collected from the effluent from the treatment system show that the discharge is compliant with the NPDES discharge limits. Therefore adverse effects on the Rock River are not expected and the treatment system is performing as designed. A copy of the NPDES permit is included in Appendix H.

Site Inspection

The FYR site inspection was conducted on April 10, 2013 to assess the protectiveness of the remedy. In attendance were David Seely of EPA, Eric Runkel of IEPA, and Troy McFate of Bodine Environmental Inc. The site inspection included a visual evaluation of the primary groundwater contaminant source area, an inspection of a subset of the monitoring well network, and a review of current and planned actions in each source area. The inspection noted that a few monitoring wells were damaged. A short meeting was held with the property operator, Jim Athans of Chemtool, and IEPA notified Chemtool that the wells will likely need to be replaced. The site Inspection Checklist is included in Appendix D.

Interviews

During the FYR process, surveys were conducted with parties impacted by the site, including current landowners in the Blackhawk Acres subdivision, local officials with the Village of Rockton, Rockton Township and Winnebago County. The purpose of the interviews was to document any perceived problems or successes with the remedy to-date. Surveys were hand delivered to residents of Blackhawk Acres subdivision and mailed in May 2013 to local officials. Completed interviews are included in Appendix E.

V. Technical Assessment

Question A: Is the remedy functioning as intended by the decision documents?

Remedial Action Performance: Pump and Treat and Site wide Plume Natural Attenuation

The remedy is functioning as intended in the decision documents based upon the downward trend in VOC contaminant concentration in many wells within the overall site plume. Concentrations in all monitoring and private wells located off the property are now below drinking water standards. However, concentrations are increasing in some monitoring wells in the source area near the extraction wells. Additional data is needed to determine if this is an indication that additional measures are needed to ensure continued reduction in the size of the plume.

Since the vapor intrusion pathway was never fully assessed, soil gas data in residential and commercial areas is needed to determine if there is a potential for soil vapor exposures. IEPA plans to gather the needed data to determine if additional efforts are necessary. Once all of the monitoring data is analyzed, IEPA will update the contaminant plume model, which will help estimate how long it will take for the overall plume to reach cleanup goals, and whether the cleanup timeframe is still considered reasonable.

Opportunities for Optimization

The ISCA system has been operating in pulse mode since 1995, increasing the efficiency of that system. Since the 2008 augmentation of the remedy, the system is fully operational in the expanded Source Area, although IEPA will explore other opportunities for optimization as time progresses.

Early Indicators of Potential Issues

There are currently no indications of potential issues related to system operations. Three wells near the extraction wells have indicated an increasing trend. Monitoring of these wells will be continued and the groundwater site model will be updated. If it is determined that these conditions are indicative of contamination that is not being captured by the extraction wells, modifications to the extraction system may be considered. As previously stated, deep soil gas sampling information is needed to determine whether there may be a risk of vapor intrusion to residences and businesses in the overall plume area.

Implementation of Institutional Controls and Other Measures

The Beloit property consists of two parcels, both of which are operating industrial/commercial facilities. The perimeter of these parcels is fenced and there is only one combined access road for both parcels. Access to the southern Chemtool Property where the source area and the pump and treat system is located is further restricted by requiring visitors to sign in at a guard house prior to access being granted. Access controls currently in place are adequate for the site. Frequent inspections have shown that fencing and signage at the source area remain protective. No additional access controls are currently needed for the Source Area or the overall site.

To prevent potential future exposures, EPA and IEPA have successfully negotiated a restrictive covenant with PPC for the PPC Property which: (1) restricts the use of the land to industrial land use; (2) prohibits the construction of new or non-existing wells or the consumptive use of groundwater underlying the Property; (3) prohibits any activity that may interfere with or would affect the integrity or the continuation of the RA at the site, or the operation and maintenance of any RA component; and (4) grants to authorized representatives of IEPA and EPA the right to enter and have continued access at reasonable times to the site to perform the RA. PPC filed a Uniform Environmental Covenant, pursuant to the Illinois Uniform Environmental Covenants Act (UECA, 765 Illinois Compiled Statutes (ILCS) 122) with Winnebago County on February 7, 2013. IEPA and EPA will enter into negotiations for a similar environmental covenant for the Chemtool Property. IEPA will also implement the GMZ.

Question B: Are the exposure assumptions, toxicity data, cleanup levels, and remedial action objectives (RAOs) used at the time of the remedy section still valid?

Changes in Standards and To Be Considered Requirements (TBCs)

The standards and TBCs implemented as a part of the decision documents for the site were reviewed against current standards. The standards and TBCs remain valid and no changes are recommended.

Changes in Exposure Pathways

There have been no significant changes in either land use or expected land use at the site. The area encompassing the site remains residential and commercial.

Human health routes of exposure were evaluated as a part of this FYR. Based on a review of recent monitoring well data, the current concentrations of the VOCs in the groundwater plume at the site are above screening levels for potential vapor intrusion into residential dwellings. Vapor intrusion is the migration of volatile chemicals from the subsurface into overlying buildings. Volatile chemicals in contaminated groundwater can emit vapors that may migrate through subsurface soils and into indoor air spaces of overlying buildings. In extreme cases, the vapors may accumulate in dwellings or occupied

buildings at levels that may pose near-term safety hazards (e.g., explosion), acute health effects, or aesthetic problems (e.g., odors). The vapor intrusion pathway is considered complete when the vapors move from the source or groundwater contamination through the deep soil and subsurface soil gas, and into a structure. Each of these components must exist in order for the pathway to be considered complete. It is possible for volatile compounds to impact deep and subsurface soil gas but still not impact indoor air. In this case the pathway would not be considered complete and no mitigation would be required.

An investigation of the potential for vapor intrusion should be performed in residential neighborhoods and commercial properties if groundwater VOC concentrations are above vapor intrusion screening levels. A plan will be developed to further assess this potential exposure. If unacceptable exposures are found to exist, the implemented remedy will need to be amended to adequately address this pathway.

Ecological routes of exposure were not evaluated as a part of this FYR, because there are no potential ecological risks associated with groundwater COCs.

Changes in Toxicity and Other Contaminant Characteristics

There have been three updates to the toxicity factors used in the 2004 ROD for site COCs at the Beloit site. The toxicity for two soil COCs; 1,1 DCE and 1,2 DCE (total) have been updated to 290 mg/L and 780 mg/L, respectively. In addition, the toxicity factor for 1,2 DCE (total) in groundwater has been updated to 0.07 mg/L to match the MCL for the lower of the two 1,2 DCE isomers. Because updating the preliminary remediation goals for these COCs will not result in any changes to the remedy or result in increased costs, IEPA will generate a note to file explaining the modification.

Changes in Risk Assessment Methods

Risk assessment methodologies have changed since the June 2004 ROD with respect to the vapor intrusion pathway. As described above, a vapor intrusion study will be conducted and the results will determine whether the remedy is protective for this pathway.

Expected Progress towards Meeting Remedial Action Objectives (RAO)s

The monitoring data shows that the overall groundwater plume appears to be shrinking, concentrations within the remaining plume are generally decreasing, and contaminant concentrations are no longer present above the cleanup goals down gradient of the Beloit property. However, three monitoring wells within the source area have concentrations indicative of an increasing trend. The site groundwater model needs to be updated to incorporate the recent sampling results. The overall progress of the remedy towards meeting RAOs will be determined through the planned future update to the groundwater model and will confirm whether the remedy, as outlined in the 2004 ROD and 2007 ESD, is meeting RAOs in a reasonable timeframe.

Question C: Has any other information come to light that could call into question the protectiveness of the remedy?

No other information beyond what has been previously discussed in this Five Year Review has come to light that could call into question the protectiveness of the remedy.

Technical Assessment Summary

The groundwater remedy is operating as designed. Overall, concentrations of site-related COCs are decreasing down gradient of the source area and the plume is shrinking. The site plume has not migrated to the Rock River and has also not expanded laterally to include additional residential/business areas to the east. Groundwater contaminant concentrations no longer exceed the cleanup goals down gradient of the Beloit property. IEPA is evaluating the new plume outline to identify the boundaries of a GMZ that will be developed. Residential wells within the plume area have shown significantly reduced VOC contamination and are below the MCLs, or in some cases below detection.

Contaminant plume concentrations are dropping in many of the wells in the monitoring system although, as previously discussed, some monitoring well locations in the source area continue to show increased concentrations. As the ISCA system continues to operate, IEPA anticipates that the trend in COC concentrations in the down gradient monitoring wells will decline. Based on the increasing trend in deep well W23B, additional measures may be necessary to treat the deeper source area. This will be determined once the site groundwater model is updated. Potential vapor intrusion impacts to residents and workers within the plume area must be evaluated to make sure that there are no long-term risks.

VI. Issues/Recommendations and Follow-up Actions

Issue	Recommendations/ Follow-up Actions	Party Responsible	Oversight Agency	Milestone Date	Affects Protectiveness? (Y/N)	
					Current	Future
Potential Vapor Intrusion pathway for nearby residents and site workers not evaluated	Perform a soil gas evaluation to determine the risks to site workers and nearby residents	IEPA	EPA	12/31/2014	No	Yes
ICs need to be fully implemented	Develop an IC plan to fully implement the required ICs and ensure the long-term protectiveness of the remedy	IEPA/EPA	EPA/IEPA	12/31/2014	No	Yes
The long-term protectiveness of the plume attenuation remedy needs to be determined	An update to the groundwater model needs to be conducted.	IEPA	EPA	12/31/2014	No	Yes
A Groundwater Management Zone (GMZ) needs to be implemented	Prepare paperwork establishing a GMZ	IEPA	EPA	12/31/2014	No	Yes

VII. Protectiveness Statement

Protectiveness Statement(s)		
<i>Operable Unit:</i> Beloit Corp. Site	<i>Protectiveness Determination:</i> Protectiveness Deferred	<i>Addendum Due Date:</i> 12/31/2014
<i>Protectiveness Statement:</i> A protectiveness determination cannot be made at this time until further information is obtained. Further information will be obtained by performing a vapor intrusion evaluation in the plume area and updating the groundwater conceptual site model. It is expected that these actions will take approximately one year to complete, at which time a protectiveness determination will be made.		

Site-wide Protectiveness Statement	
<i>Protectiveness Determination:</i> Protectiveness Deferred	<i>Addendum Due Date:</i> 12/31/2014
<i>Protectiveness Statement:</i> A protectiveness determination cannot be made at this time until further information is obtained. Further information will be obtained by performing a vapor intrusion evaluation in the plume area and updating the groundwater conceptual site model. It is expected that these actions will take approximately one year to complete, at which time a protectiveness determination will be made.	

VIII. Next Review

The next FYR report for the Beloit Corp. Superfund site is required five years from the completion date of this review.

APPENDIX

APPENDIX A – Existing Site Information

Site Chronology

Event	Date
Initial discovery of problem or contamination	1980
Pre-NPL response: Groundwater Investigation of Blackhawk Acres Subdivision by Illinois EPA	1980-82
Preliminary Assessment	October 31, 1985
Site Inspection	December 10, 1986
Proposal to National Priorities List and Hazard Ranking System Package	June 24, 1988
Issue Request Letters (104E)	September 23, 1988
Removal Assessment	August 9, 1989 to October 13, 1989
Special Notice Issued	June 22, 1990
Final NPL listing	August 30, 1990
Removal Assessment	April 25, 1991 to July 11, 1991
Consent Decree with Beloit	October 17, 1991
Beloit PRP-Lead RI/FS	1992-99
Interim Action Groundwater Pump and Treat System initiated by Beloit.	1996
Holding Company for Beloit, Harnischfeger Industries Incorporated files for bankruptcy	June 1999
Baseline Risk Assessment finalized	January 2001
Beloit Liquidating Trust becomes the owner of all remaining liabilities and assets of Beloit	July 2001
Settlement Agreement under Section 122(h) of CERCLA is signed between U.S. EPA and the new owner of the property	April 2002
FS completed	November 2002
ROD signed	September 27, 2004
RD/RA Action Negotiations	December 2004 to June 2005
Explanation of Significant Differences (ESD)	September 27, 2007
Result of ESD - Hydraulic Fracturing Completed	September 2008
Preliminary Close-Out Report	September 29, 2008
Paperchase Environmental Covenant	February 7, 2013
Site Inspection for First Five Year Review	April 10, 2013

Background

Physical Characteristics

The Beloit Superfund site is located in Rockton Township, in north-central Illinois. The NPL site occupies part of the northern half of Section 13 and the southeast quadrant of Section 12, Township 46 North, Range 1 East of the Illinois Principle Meridian, in Winnebago County, Illinois. The site is bounded on the north by Prairie Hill Road, on the west by the Rock River, on the south by a line projected from the Rock River along the south edge of a Village of Rockton easement and access road (for the village water tower) to Blackhawk Boulevard, and on the east by Blackhawk Boulevard. The site area includes the Beloit property, the neighboring Blackhawk Acres subdivision, the former Soterion/United Recovery facility (Soterion), a portion of the Taylor, Inc. property and the Safe-T-Way property.

Hydrology

The site is situated on the ancestral Pecatonica/Sugar River Bedrock Valley where it merges with the Rock River Valley. It is adjacent to a river meander and is located on a low bluff overlooking wetlands of the Rock River Valley. The site covers approximately 200 acres of rolling topography with an on-site relief of approximately 30 ft. Precipitation/surface water drains primarily through vegetated routes to the west toward the Rock River bottomlands (wetland) on the western portion of the site. Development of major erosion features were not observed at the site.

In the general area, sandy loam soils are underlain by multiple sequences of glacial outwash deposits consisting primarily of stratified, fine to coarse sand, silty sand, sand and gravel, silty sand and gravel, and lacustrine clays and silts. The glacial deposits are between 220 and 235 ft. thick and lie unconformably on the Platteville Dolomite and St. Peter Sandstone bedrock aquifers.

The glacial deposits directly beneath the site consist of coarse upper outwash (sands and gravels with silts and clays being less than 10 percent), primarily in the vadose zone; a fine grained middle outwash (silty fine to coarse sands with lenses of silt and clay) typically at or below the water table; and a coarse grained lower outwash (sand and gravel) which is bounded below by a lacustrine clay deposit that extends laterally beneath the site. The lacustrine clay was, however, not encountered at some boring locations installed south of the site.

The upper outwash ranges from approximately 6.5 ft. to 50 ft. thick. The middle outwash ranges from approximately 13 ft. to 44 ft. thick, but is not present at some locations. The lower outwash extends laterally across the entire site. Depth to the base of this lower outwash, as defined by the top of the underlying lacustrine clay, ranges from 52.5 ft. to 90 ft. Thickness of the lacustrine clay ranges from 10 ft. to greater than 23 ft. However, this layer has not been fully penetrated at all boring locations.

Groundwater at the site is generally encountered approximately 20 to 25 ft. below ground surface (bgs). Groundwater elevations are typically higher in the spring. The shallow aquifer consists of the three outwash units discussed above. The upper outwash is usually in the vadose zone and not usually below the water table. Prior to the implementation of corrective action, groundwater consistently flowed to the south and southwest, with groundwater flow on the south side of the site flowing southwest and south toward the Rock River and Rockton respectively. An east-west trending groundwater high is located in the northern portion of the site. Groundwater flow is impacted by the presence of a hydroelectric dam

and hydroelectric plant raceway on the Rock River adjacent to the site. Groundwater on the north side of the site flows north and west toward the Rock River.

Hydraulic conductivity (K) values for the sand and silty sand soils range from 1.1E-3 cm/sec to 9.6E-6 cm/sec. The sand soils that form the potential groundwater migration routes (upper and lower coarse outwash) have K values that range from 1.1E-1 cm/sec to 9.08E-3 cm/sec. Horizontal gradients in the coarse grained units range from 0.01 ft/ft to 0.006 ft/ft. Horizontal groundwater velocities in those units range from 0.23 ft/day to 1.10 ft/day. Downward vertical gradient have been measured at approximately -0.033 to -0.037 ft/ft, and upward vertical gradients have been measured at 0.003ft/ft. No reversals of gradients have been observed.

Land and Resource Use

The site primarily consists of the Beloit property and the Blackhawk Acres subdivision. Beloit formerly occupied approximately 200 acres. Approximately 75 acres of the Beloit property was historically occupied by the Beloit Research Center (BCRC), Beloit Corp. Manufacturing Plant (BCP) and related areas (including the gravel pit, parking areas and Storage Yard Area (SYA). The remainder of the land (approximately 125 acres) was mainly unused, and continues to be at the present time. The unused land consists of approximately 39 acres to the south of the BCP and SYA that are an open field and approximately 86 acres to the south and west of the BCP within the floodplain of the Rock River and is heavily wooded (excluding the Rock River backwater area).

The Beloit property was farmland prior to 1957, when it was purchased by Beloit. The Beloit property has been used for industrial purposes ever since. Beloit manufactured machines that produced layered paper products from paper pulp. Beloit used solvents at the plant for parts cleaning operations, including non-chlorinated solvents until the mid 1970s and chlorinated solvents from the mid 1970s until 1983. The exact composition of the chlorinated solvents and the amounts Beloit used are unknown. From 1983 until the facility closed in 1999, Beloit used mineral spirits for metal degreasing and parts cleaning.

In June 1999, Beloit filed for bankruptcy. In July 2001, the Trust became the owner of all the remaining liabilities and assets of Beloit, including the Beloit property. In February 2002, U.S. EPA, the United States and Giuffre, the new owner of the former Beloit property, signed a settlement agreement under Section 122(h) of CERCLA. The State was also a party to and signed that agreement in April 2002. The Section 122(h) agreement settled and resolved the potential liability of Giuffre resulting from its ownership and/or operation of the property, and to facilitate cleanup of the contamination at the Beloit site.

On March 18, 2003, Giuffre sold the portion of the Property containing the BCRC located at 1155 Prairie Hill Rd. in Rockton to PPC, which PPC subsequently leased to Paperchine. Paperchine remains the operator of the PPC Property.

On January 31, 2008, Giuffre deeded the second parcel, which contained the BCP, to the Rock River Co. Chemtool Inc. is the current operator of the Chemtool Property, which is located at 1165 Prairie Hill Rd., in Rockton. The Chemtool Property is the source area of the site contamination.

The industrial and commercial facilities in the vicinity of the Beloit site include Rockton Excavating, Safe-T-Way (in the Blackhawk Acres subdivision), Soterion, Taylor, Inc., and the Rockton Bus

Company (south of Taylor, Inc.). A gasoline station and various small retail businesses are present along Illinois State Highway 75, southeast of the subdivision. The area west of the Rock River is farmland.

The former Soterion facility is located at the southern limits of the Blackhawk Acres subdivision. This facility consisted of four Quonset huts where waste cuttings from metal fabricating operations were processed before being recycled. Complaints of poor waste-handling practices at the facility and the detection of elevated VOC levels in many homes located on Watts Avenue near the Soterion facility prompted the IEPA to conduct investigations of the facility from 1980 to 1982. During these investigations, the IEPA documented releases of waste oils by Soterion to the ground, through the septic system and into a dry well located in front of the Soterion building at 900 Watts Avenue.

Safe-T-Way is a small manufacturing facility located on the cul-de-sac of Blackhawk Boulevard, in the southeastern area of the Blackhawk Acres subdivision. Safe-T-Way manufactures small explosion-proof containers for gasoline and other flammable liquids.

Taylor, Inc. is a large, refrigeration component manufacturing facility located south of the Blackhawk Acres subdivision. Only the northern portion of Taylor, Inc. is located within the site.

The Blackhawk Acres subdivision consists of approximately 70 homes located east of the former Beloit property. This subdivision is separated from the Beloit property by a railroad line and a wooded area along the railroad tracks. The future land use for the subdivision is anticipated to remain primarily residential.

Other residential areas include the City of South Beloit located to the north, and the Village of Rockton located to the south and southeast. The City of South Beloit has a population of approximately 7,892. The Village of Rockton has a population of 7,685, according to the 2010 census. Land use in the Village of Rockton contiguous with the off-site plume is primarily residential, with industrial zoning located near the Rock River.

History of Contamination

In the early 1980s, IEPA investigated United Recovery, an industrial waste processing plant that was operating at the Soterion facility. A groundwater quality study of private water supply wells located in the Blackhawk Acres subdivision was also conducted. The discovery of VOCs [primarily tetrachloroethene (PCE) and 1,1,1-trichloroethane (1,1,1-TCA)] in residential groundwater led to subsequent groundwater quality studies and the inclusion of the Beloit site on the NPL. Subsequent investigation showed that the VOC contamination included the Beloit property. The State of Illinois consequently entered into a consent decree with Beloit that was approved by a federal court on October 17, 1991, under which Beloit was required to complete a RI/FS for the site, which included its property.

Beloit subsequently performed a complete RI, and an FS with oversight by IEPA. Based on the results of the RI, IEPA determined that the VOC groundwater contamination originated on Beloit's property and extended in the shallow aquifer into the Village of Rockton and the southern portion of the Blackhawk Acres subdivision. Beloit's use of solvents for machine parts cleaning at its plant was identified as the source of the VOC groundwater contamination plume. The RI also found another plume consisting of trichloroethene (TCE) and 1,1,1-TCA located deeper within the shallow aquifer.

The deep TCE and 1,1,1-TCA plume originated near the southeast corner of the Beloit property and extended into the Village of Rockton. The precise source of the TCE plume could not be identified.

In 1993, IEPA installed point-of-entry carbon filtration units in residences with impacted wells in the Blackhawk Acres subdivision. An ISCA pump and treat system was also installed in 1996 on the Beloit property to begin treatment of the on-property contaminated groundwater plume, and to prevent further off-property migration. Monitoring data indicated that the Village of Rockton municipal water supply was not, and should not be, affected by the groundwater contamination from the site. The VOC plumes in the Village of Rockton and the Blackhawk Acres subdivision have been naturally attenuating since the ISCA pump and treat system was implemented in 1996.

Initial Response

Between July 1992 and January 1998, four phases of an investigation were conducted by Beloit with IEPA oversight. The investigation indicated the presence of soil and groundwater contamination at the Beloit property as a result of on-site handling and release of solvents. The detected contaminants include:

- tetrachlorethylene (PCE)
- 1,1,1-trichloroethane (1,1,1-TCA)
- 1,1,2-trichloroethylene (TCE)
- 1,1-dichloroethylene (1,1-DCE)
- 1,2-dichloroethylene (1,2-DCE)

The principal release area was in the vicinity of the Erection Bay on Beloit's property where chlorinated solvent contamination is present in the upper portion of the shallow aquifer, and it comprises the majority of the on-property groundwater plume. The PCE migrated downward approximately 25 feet through the coarse sand and gravel to the water table of the shallow aquifer. 1,1,1-TCA, TCE, 1,1-DCE, and 1,2-DCE were also present and migrating in groundwater below the Beloit property. These VOCs are believed to be daughter products from the breakdown of PCE released at the Erection Bay, or alternatively originating from historical sources that have since dissipated that were located near the BCP or foundry sand disposal area. No DNAPLs were identified in the Erection Bay source area. Other sources of VOCs were believed to be present at the Beloit property, but the sources could not be delineated.

The off-property groundwater plumes consisted of the plumes/areas described below:

- A deep TCE and 1,1,1-TCA plume was identified in the deeper part of the shallow aquifer in the southern portion of the Beloit property near the Soterion facility and in the Village of Rockton;
- A shallow TCE/PCE plume was detected in the shallow aquifer that extends south of the site into the Village of Rockton; and
- PCE and 1,1,1-TCA contamination was detected in residential wells in the southern Blackhawk Acres Subdivision. The source of this contamination was not determined, but was believed to be on or near the Beloit property.

The plumes were found to be outside the capture zone of Village of Rockton Well Number 5, which is located approximately 2,200 feet east of the centerline of the TCE plume. Sampling of Well 5 has not detected any VOC contamination related to the site.

In 1993, IEPA installed point-of-use carbon filtration treatment units on three individual private water supplies in the adjacent Blackhawk Acres Subdivision because their drinking water exceeded MCLs. These units were placed at 910, 914, and 918 Watts Avenue and at 1102 Blackhawk Avenue in the Blackhawk Acres subdivision.

During the RI/FS, Beloit voluntarily proposed to install and operate an interim action groundwater containment (the ISCA pump-and-treat) system at the site until a final remedy was selected and implemented. The interim system collected and treated groundwater from the source area and along the southwest side of Blackhawk Acres Subdivision. It has been in operation since July 2, 1996 and continues to capture and treat contaminated groundwater. This system is monitored on at least a monthly basis and recovers and treats approximately eight million gallons of contaminated groundwater each month. The treated effluent is discharged to the Rock River under a NPDES permit.

In April 1996, IEPA issued an Action Memorandum for the site to implement an ISCA on the Beloit property, consisting of a groundwater pump and treatment system to contain and clean up the VOC plume. IEPA approved the implementation of this interim remedial action. The system originally consisted of four extraction wells and an air-stripping tower located in the southeastern corner of the Beloit property. The system was designed to contain and extract groundwater within the Beloit property and to provide treatment of the extracted groundwater by air stripping. Treated groundwater was then discharged to the Rock River under an NPDES permit at an outfall located on the Beloit property. The air discharge from this pump and treat system was shown to be minimal and substantially less than the regulatory limit of 8 lbs. per hour. This rate did not require an air permit and did not represent a significant source of VOCs to the atmosphere. The pump and treatment system went on-line on July 2, 1996, and has been in continuous operation ever since.

In 1998, another private water supply well (located on Blackhawk Drive in the Village of Rockton) was found to have VOC-impacted water. This residence was connected to the Village of Rockton municipal water supply in 1999.

In 1999, Beloit filed for Chapter 11 bankruptcy protection and ceased manufacturing at the facility. EPA secured approximately \$5.87 million in a bankruptcy settlement with Beloit to implement the RD/RA at the site. IEPA is implementing the RA with funds from the bankruptcy settlement, provided by EPA through a State Cooperative Agreement.

The Beloit Trust completed a FS report for the site, which was conditionally approved by IEPA in January 2002. EPA signed a ROD for the site in September 2004, selecting the pump-and-treat system as the primary remedy for the site. The selected remedy also specified treatment of the source area by chemical oxidation in the Erektion Bay area on Beloit property to minimize the overall remediation time frame, institutional controls to prohibit the installation of potable water wells on the Beloit property, and monitored natural attenuation of the off-site portion of the plume until the contaminant concentrations were below groundwater standards.

Basis for Taking Action

The RI identified several COCs for the site, including 1,1-DCE, 1,2-DCA, carbon tetrachloride, TCE and PCE. A hypothetical future residential scenario for domestic use of untreated groundwater and domestic use of groundwater from private wells was found to present unacceptable risks to human

health. In addition, the risk to a hypothetical future employee working in contaminated soils scenario was also found to be unacceptable. Groundwater investigations performed at the time of the risk assessment indicated that site related groundwater contaminants threatened, but were not adversely impacting the Rock River. Groundwater modeling indicated that even without remediation, VOC concentrations in groundwater would not exceed surface water criteria. Endangered species were not identified at any of the source areas. No significant ecological concerns were raised during the ecological review in the RI.

Remedial Actions

Remedy Selection

The remedial action objectives for the site remedy are:

Groundwater VOCs Source Area

- To control the source of COC in groundwater to the extent practicable and to prevent or minimize further migration of contaminants from source materials to ground water;
- Under current land use conditions and future hypothetical land use conditions, prevent the domestic use (e.g., drinking, bathing, etc.) of the groundwater from the source area containing COC;
- Remediate the Groundwater VOC Source Area to achieve compliance with the more stringent of either the MCLs or applicable Groundwater Quality Standards (35 IAC Part 620), including 35 IAC Part 620.410 Class I Groundwater Quality Standards for Class I Potable Resource Groundwater, or 35 IAC Part 620.450 Alternative Groundwater Quality Standards. At a minimum, remove or treat to non-hazardous levels the contaminated soil and groundwater in the source area that exhibit a characteristic of a hazardous waste or contain listed hazardous wastes.

On-Property Groundwater Plume

- Manage or treat the On-Property Groundwater Plume to prevent or minimize further migration of the groundwater COC to properties located outside the Beloit property boundaries;
- Under current land use conditions and future hypothetical land use conditions, prevent the use of the On-Property Groundwater Plume containing COC for drinking water or other associated domestic purposes; and
- Remediate the On-Property Groundwater Plume containing COC to achieve compliance with the applicable standards in IAC Part 620, including 620.410 Groundwater Quality Standards for Class I Potable Resource Groundwater, or 620.450 Alternative Groundwater Quality Standards. Contaminated groundwater that exhibits a characteristic of a hazardous waste or contains listed hazardous waste will be removed or treated to nonhazardous levels.

Off-Property Groundwater Plumes

- Remediate the Off-Property Groundwater Plume containing COC to achieve compliance with the more stringent of either the MCLs or applicable standards in IAC Part 620, including 620.410 Groundwater Quality Standards for Class I Potable Resource Groundwater, or 620.450 Alternative Groundwater Quality Standards. Contaminated groundwater that exhibits a

characteristic of a hazardous waste or contains listed hazardous waste will be removed or treated to non-hazardous levels.

The selected remedy from the 2004 ROD includes the following:

Groundwater VOCs Source Area and the On-Property Groundwater Plumes

- Continued operation of the ISCA pump and treat groundwater control system on the Beloit property;
- Institution of a restrictive covenant that prohibits the use of groundwater on-site for potable purposes;
- Establishment of a GMZ for the on-property groundwater plumes;
- Implementation of in-situ treatment measures for the source area of the on-property groundwater plume.

Off-Property Groundwater Plumes

- Potential action in the Blackhawk Acres subdivision to control exposure to COC at the homes with VOCs above applicable MCLs or Illinois Class I groundwater standards;
- Establishment of a GMZ for the off-property plume;
- Monitoring Well Attenuation for groundwater; and
- Triggers during groundwater monitoring period that require parties to determine if additional action needs to be taken. These triggers include:
 - Contaminant concentrations in groundwater exhibit an increasing trend;
 - Near-source wells exhibit large increases in concentrations;
 - Contaminants are identified in monitoring wells outside the original plume; and
 - Contaminant concentrations are not decreasing at a rate sufficient to meet the remedial objectives.

When the ROD was issued, IEPA predicted that operation of the remedy would achieve MCLs in approximately 15 years. However, the source area investigation conducted during the RD revealed that the Erection Bay source area was approximately five times larger than the source area delineated in the RI. Had this been discovered during the RI, it would have required an increase in the number of injection points for in-situ chemical oxidation from 18 to 95. The RD also found that soil conditions were generally unfavorable for oxidant injection because the soils were highly consolidated and dense and the oxidant would not effectively reach all the contamination in this fractured matrix. Consequently, chemical oxidation would not be as effective at this site as was originally anticipated in the ROD, and the cost associated with increasing the number of injection points to 95 would correspondingly increase the previous \$430,000 cost estimate to \$2.3 million for oxidant injection.

Based on the findings of the RD investigation, EPA issued an ESD on September 27, 2007 modifying the remedy by removing the requirement for in-situ chemical oxidation and adding a requirement for installation of additional groundwater extraction wells supplemented by hydraulic fracturing of the surrounding soil formation. The RD was completed by spring 2008 and construction of the selected remedy was completed in September 2008.

Selected Remedial Actions for Source Area

Source Area	Selected Remedy
Beloit	Pump and treat system with air stripping and discharge to the Rock River under an NPDES permit.

Remedy Implementation

On September 27, 2004, IEPA and EPA issued the Record of Decision (ROD) to address groundwater contamination at the site, followed by an Explanation of Significant Differences (ESD) memorandum on September 26, 2007 requiring enhancements to the existing ISCA pump and treat system by installing additional extraction wells. IEPA completed construction of the enhancements on September 29, 2008.

The selected remedy for the site as modified by the ESD requires: (1) the continued operation of the existing groundwater pump and treat system at the source area on the former Beloit facility; (2) installation of additional extraction wells; (3) operation and maintenance of the pump and treat system; (4) groundwater monitoring; and (5) implementation of institutional controls (ICs). The ICs consisted of deed restrictions: (1) restricting or limiting the use of the land to industrial land use; (2) prohibiting the construction of new or non-existing wells or consumptive use of groundwater underlying the Property; (3) prohibiting any activity that may interfere with or would affect the integrity or the continuation of the remedial action (RA) at the site, or the operation and maintenance of any RA component; and (4) granting to authorized representatives of IEPA and EPA the right to enter and have continued access at reasonable times to the site to perform the RA. The covenants would remain in effect until the groundwater under the property is restored to the more stringent of either the federal maximum contaminant levels (MCLs) or State of Illinois Class I groundwater standards for all contaminants of concern.

The ROD and ESD also required a Groundwater Management Zone (GMZ), pursuant to Ill. Admin. Code 35 § 620.250 (2008), be established for both the On-Property and Off-Property Plumes. In addition to the Beloit property, the GMZ would also include the southern portion of the Blackhawk Acres subdivision. The GMZ would be managed to mitigate impairment caused by the release of contaminants from the site. The GMZ would work in conjunction with local ordinances limiting groundwater use in Winnebago County and in the Village of Rockton, and Winnebago County Ordinances concerning new private well construction. In general, the ordinances do not allow construction of a new private well where a public water supply distribution system is available and requires a permit from the Winnebago County Department of Health for the construction of new wells.

After implementation of the ISCA pump and treat system, groundwater flow on the Beloit property and along the southwest side of the Blackhawk Acres subdivision was captured by the extraction wells, as illustrated by the water table map in Attachment B. While VOCs within the capture zone of the ISCA pump and treat system are removed and treated by air stripping, VOCs outside the capture zone continue to migrate to the Rock River south of the village. Dilution and sorption will attenuate VOC concentrations throughout the 4,600-foot flow path from the south end of the site to the Rock River.

Ground water monitoring efforts indicate that the contaminant plume has stabilized and continued migration of contaminated groundwater off-site is no longer occurring. IEPA samples residential wells

every two years to ensure that the groundwater containment system continues to be protective. Since 2001, the concentrations of contaminants in private residential wells have been below MCLs.

Mass loading of VOCs to the river was estimated during the RI. The estimated potential groundwater and VOC discharge rates from the Deep TCE plume to the Rock River are 12,000 cubic feet per day (0.138 cubic feet per second) and 0.1 pounds per day, respectively. These assumptions are based on the estimated groundwater flow rates, the estimated TCE plume width and thickness, and the maximum VOC concentrations measured in groundwater in the Off-Property Plume (180 µg/L). The calculated VOC loading rate is less than the NPDES permit for TCE for the ISCA pump and treat system (0.15 pounds per day).

Surface run-off water can be a migration pathway when precipitation comes in contact with contaminated materials or wastes. However, on the Beloit property there are few, if any, COCs present in the near surface soils. The only areas with concentrations of potential concern are at subsurface depth in the Erection Bay source area and beneath the foundry sand disposal area. Therefore, release of VOCs or SVOCs to surface water through direct contact and runoff is not of concern at this site.

System Operation/Operation and Maintenance

O&M at the site is currently limited to the long-term monitoring and maintenance activities performed by Bodine. The groundwater remedy has been in long term remedial action for a period of sixteen years, and Bodine has performed those activities since 2006. The primary activities associated with O&M include:

- Inspection, maintenance and repair or replacement of monitoring wells that comprise the monitoring well network;
- Semi-annual sampling of groundwater monitoring well network;
- Inspection, maintenance and repair or replacement of the ISCA Pump and Treat and AS treatment unit.

Summary of Annual O & M costs:

Budget Year *	2007	2008	2009 ¹	2010	2011	2012	2013
Personnel Cost	\$108,036.36	\$131,104.11	\$238,732.43	\$86,342.40	\$80,592.41	\$78,392.44	\$100,102.50
Direct Expenses	\$47,475.70	\$21,962.78	\$86,178.95	\$48,088.64	\$52,966.41	\$49,082.01	\$44,020.62
Equipment Cost	\$5,031.01	\$4,823.59	\$14,971.73	\$3,095.37	\$2,193.33	\$3,096.56	\$3,350.59
Subcontractor Cost	\$27,836.65	\$188,181.70	\$503,731.48	\$11,701.63	\$12,422.69	\$10,244.81	\$5,730.77
Handling Fee	\$2,905.02	\$12,734.14	\$10,074.63	\$1,225.41	\$1,342.27	\$864.51	---
Materials/ Expendables	\$417.79	\$374.92	\$369.93	\$176.43	\$64.46	\$206.14	\$105.18
Field Purchases	\$3,709.47	\$7,073.58	\$28,279.31	\$10,982.51	\$16,564.31	\$19,197.35	\$18,751.51
TOTAL	\$195,412.00	\$366,254.82	\$882,338.46	\$161,612.39	\$166,145.88	\$161,083.82	\$172,061.17

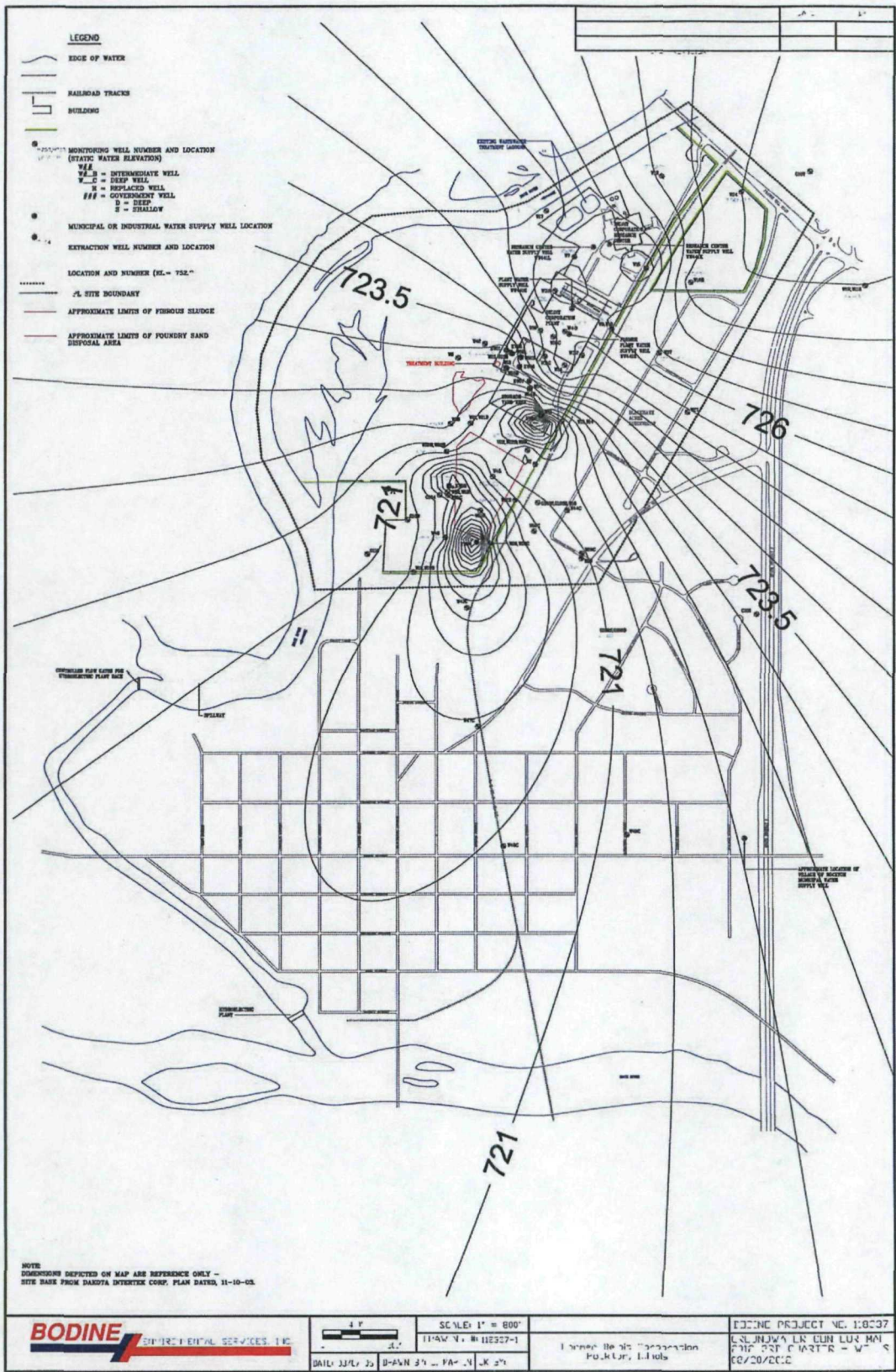
* The Budget year runs from July to June.

1. In 2009 additional extraction wells were installed pursuant to the ESD.

APPENDIX B – Additional Maps, Data, Figures, Or Tables For Reference



9/24/2013



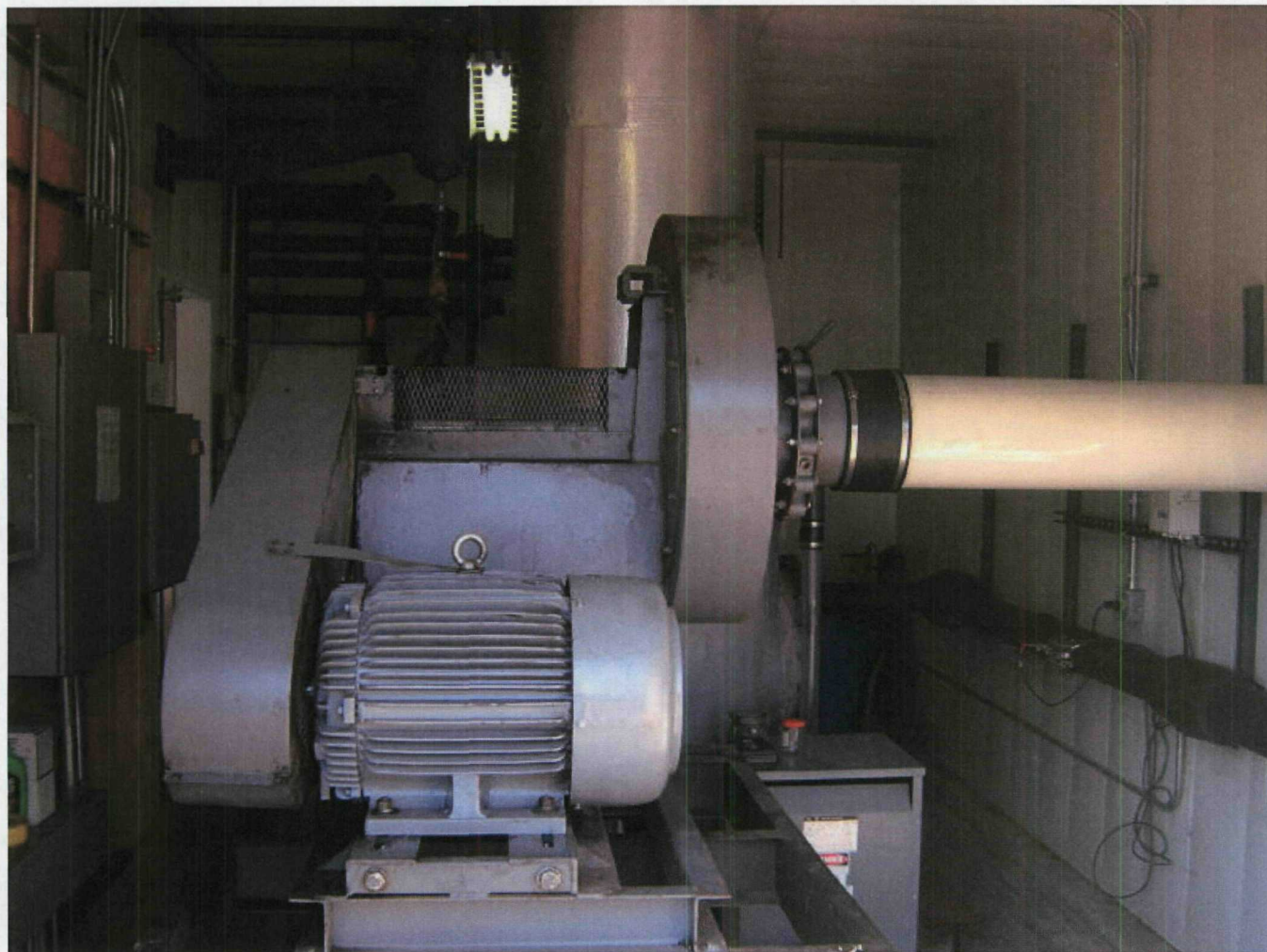
9/24/2013

Photos of Pump and Treat and Air Stripping System

Air Stripper



Air Stripper Blower



Chemical Dousing Drum



Influent Line and Holding Tank



Extraction Pump Lines 1-4



Extraction Pump Lines 5-7



Extraction Well 6



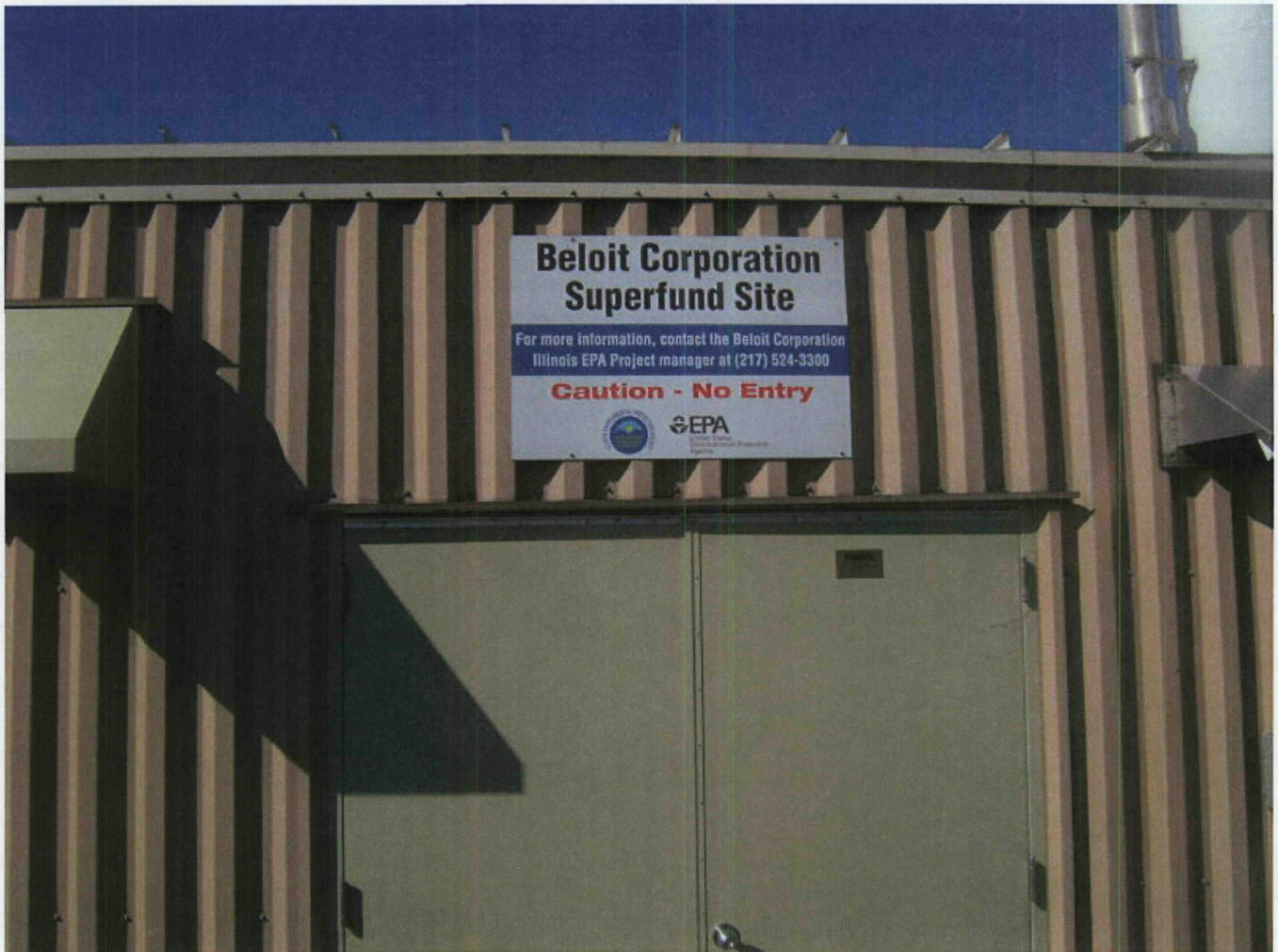
Extraction Well 7



Monitoring Well W52B



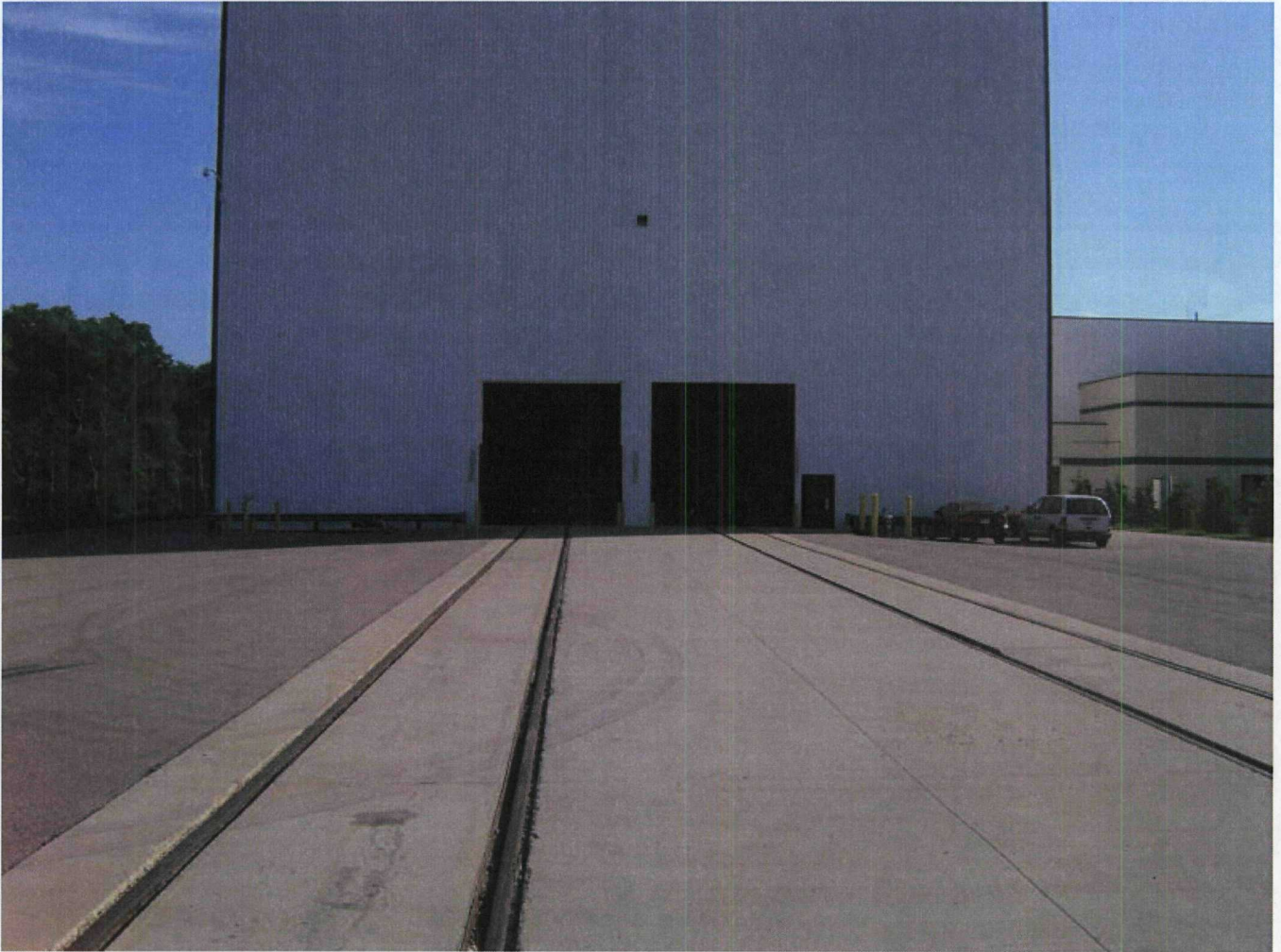
Pump Building



Chemtool as seen from Pump Building



Erection Bay as seen from Pump Building

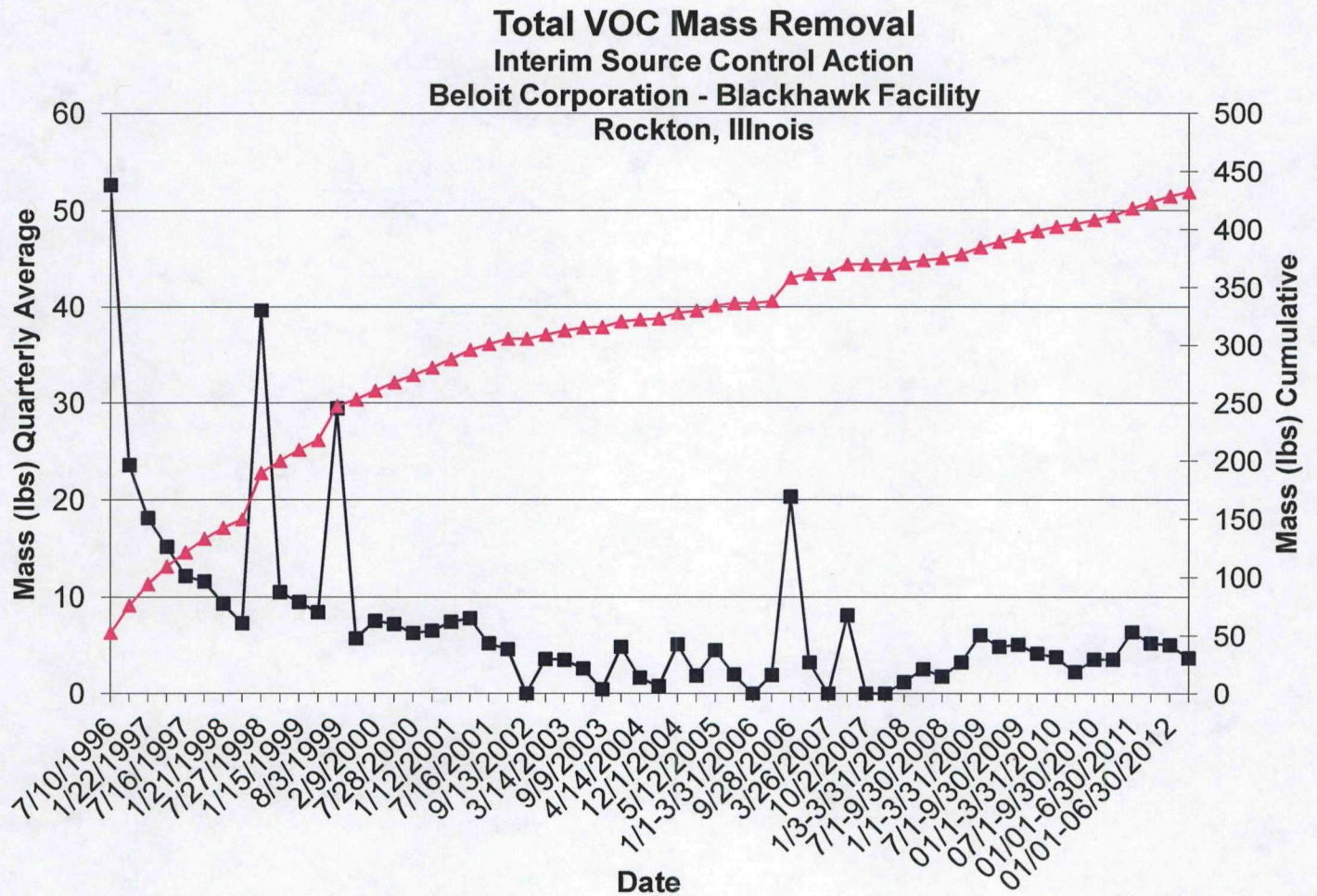


Effluent Manhole

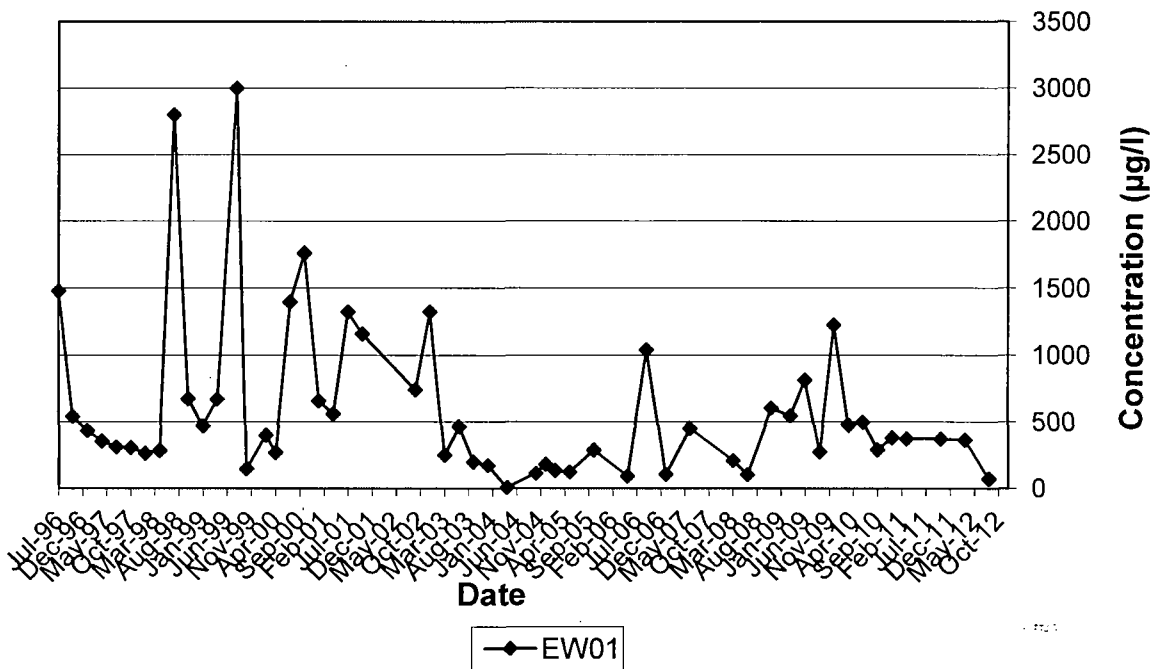


APPENDIX C - Groundwater Trend Analysis

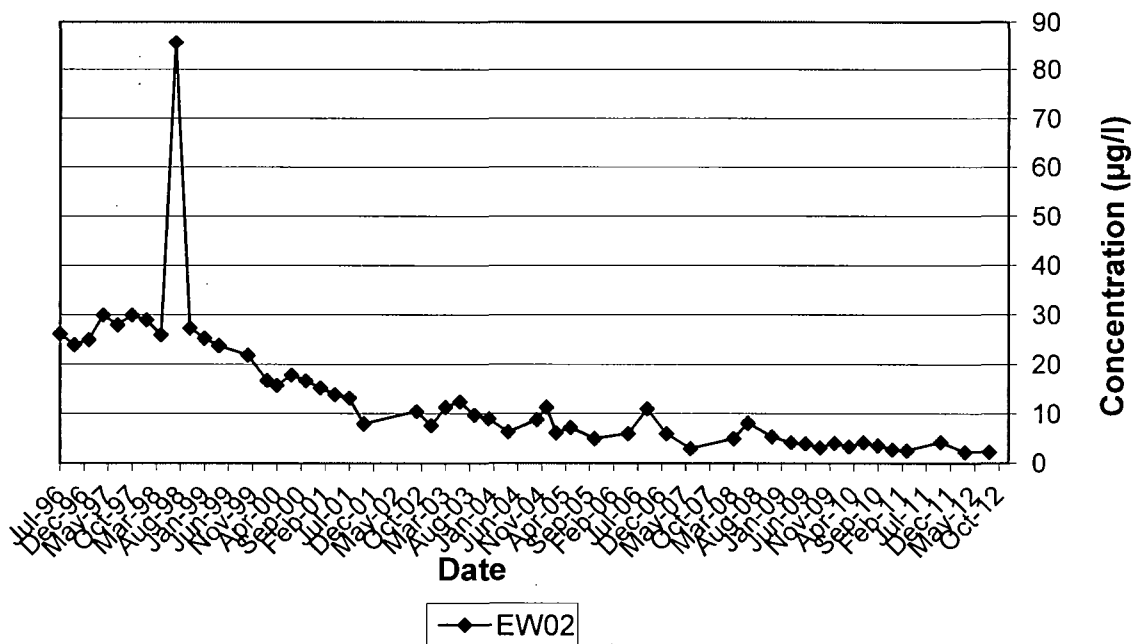
Extraction Wells VOC Spreadsheets



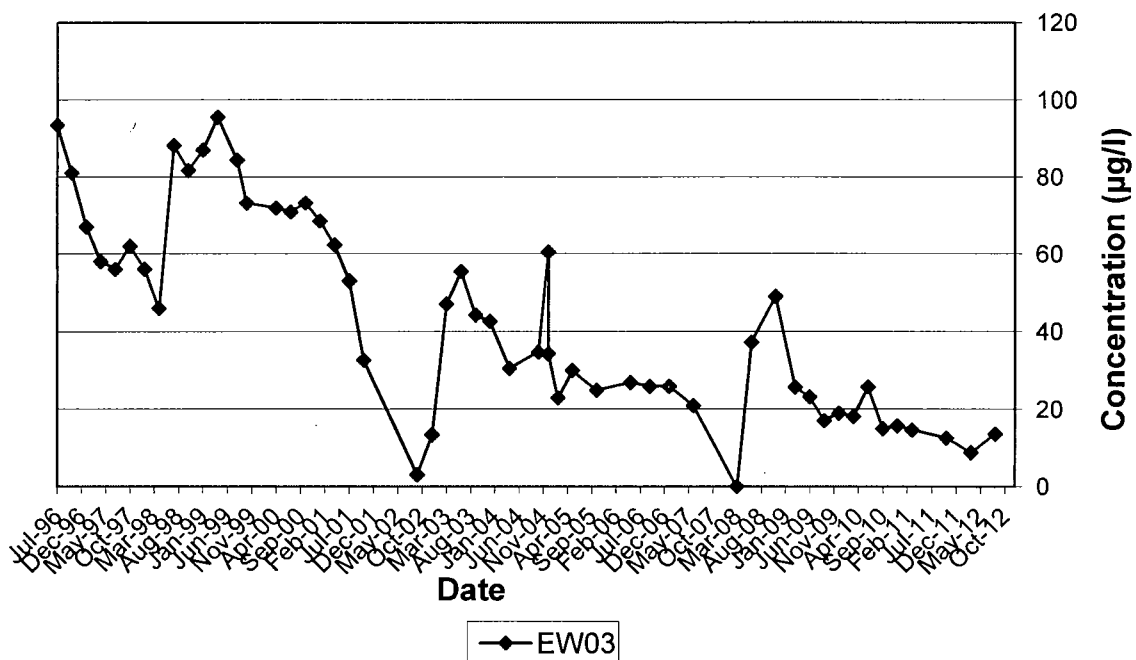
EW01 - Total VOC Concentrations
Interim Source Control Action
Beloit Corporation - Blackhawk Facility
Rockton, Illinois



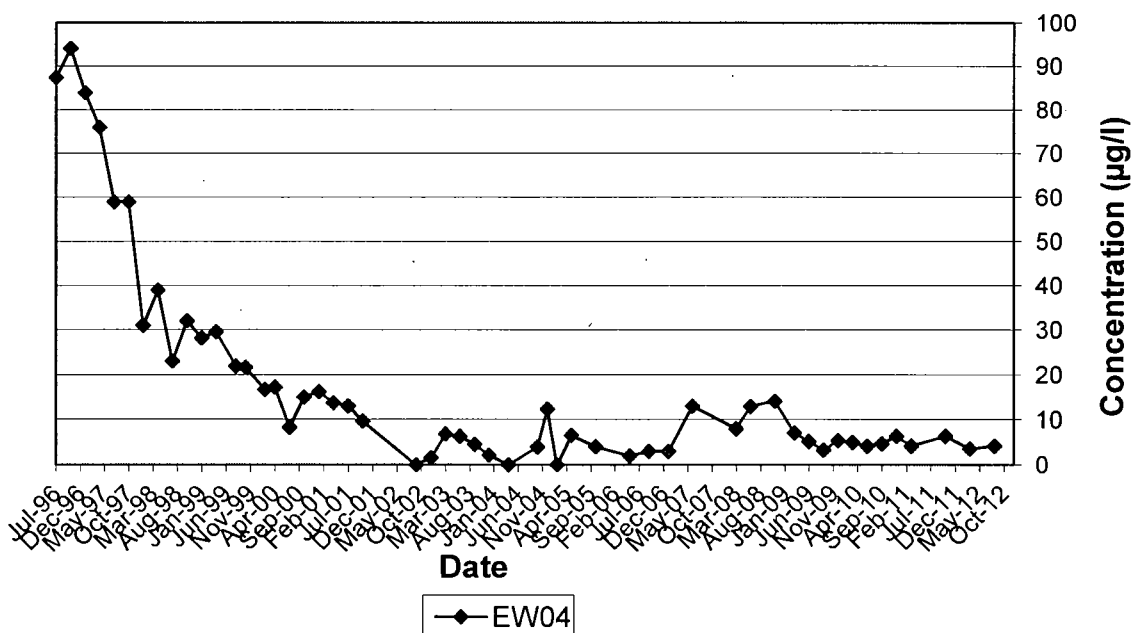
EW02 - Total VOC Concentrations
Interim Source Control Action
Beloit Corporation - Blackhawk Facility
Rockton, Illinois



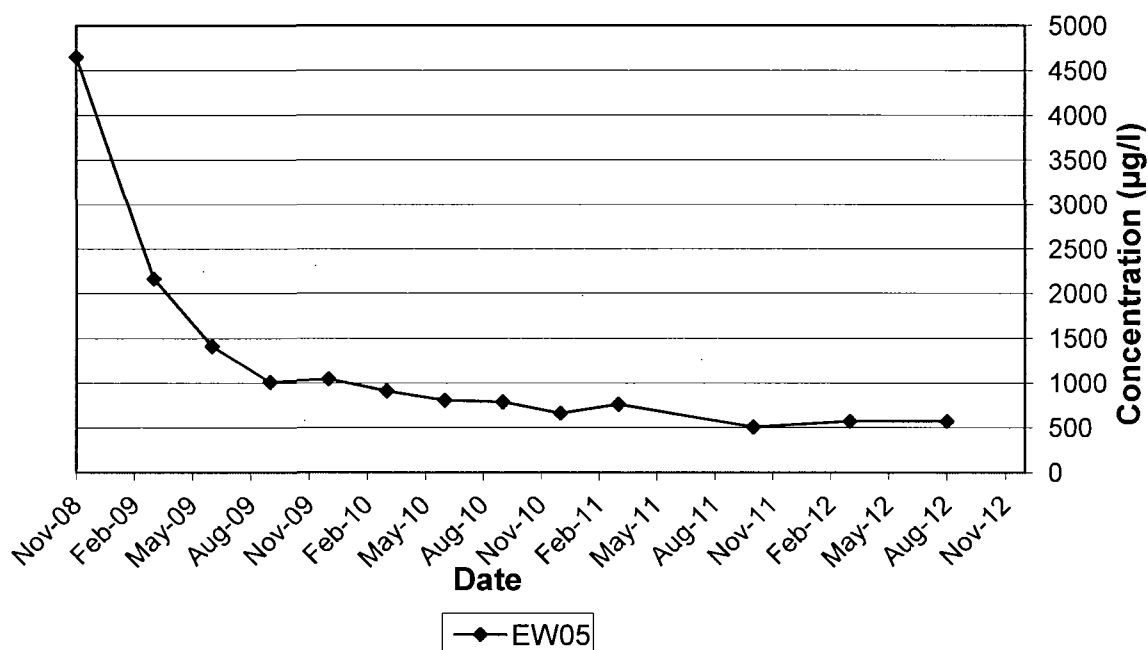
EW03 - Total VOC Concentrations
Interim Source Control Action
Beloit Corporation - Blackhawk Facility
Rockton, Illinois



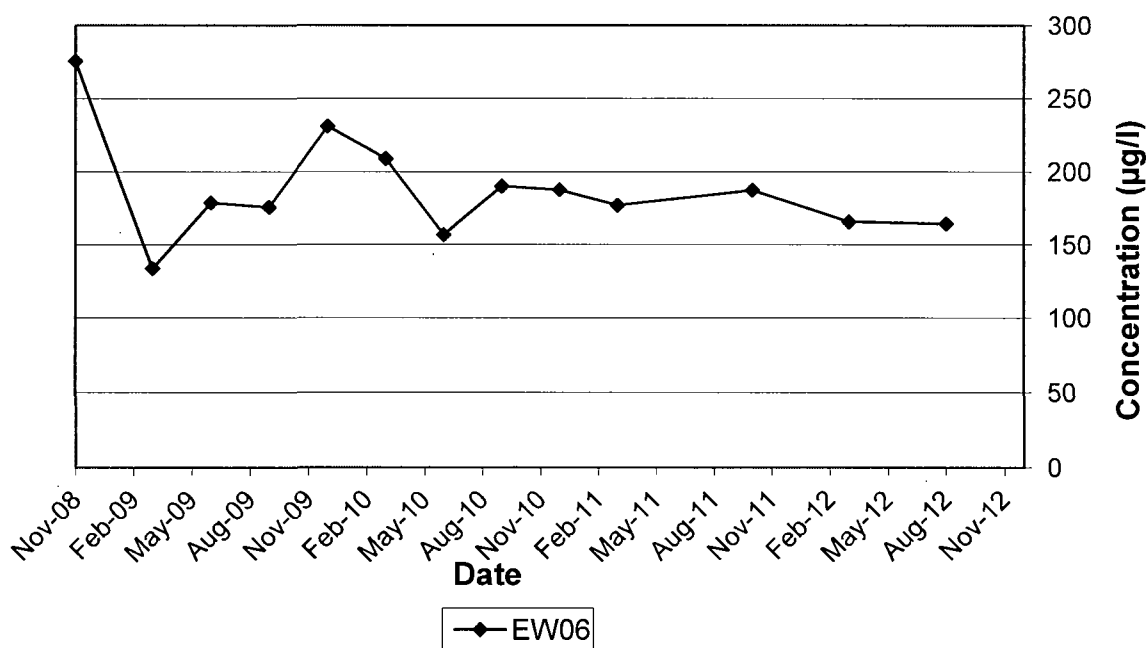
EW04 - Total VOC Concentrations
Interim Source Control Action
Beloit Corporation - Blackhawk Facility
Rockton, Illinois



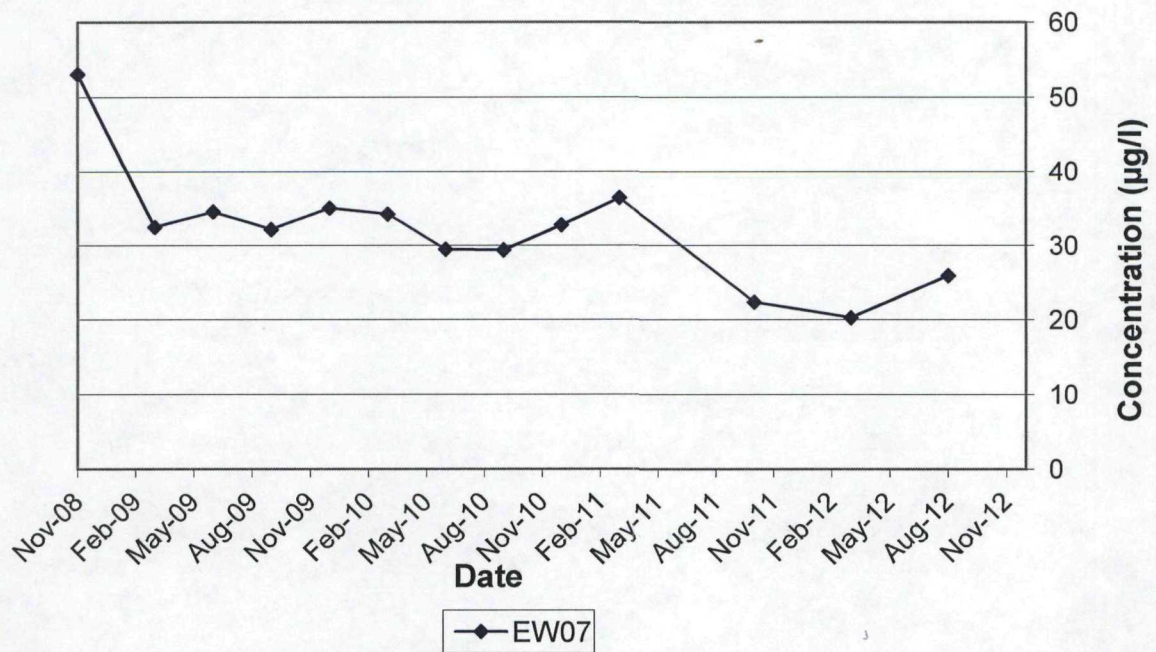
EW05 - Total VOC Concentrations
Interim Source Control Action
Beloit Corporation - Blackhawk Facility
Rockton, Illinois



EW06 - Total VOC Concentrations
Interim Source Control Action
Beloit Corporation - Blackhawk Facility
Rockton, Illinois



EW07 - Total VOC Concentrations
Interim Source Control Action
Beloit Corporation - Blackhawk Facility
Rockton, Illinois



SUMMARY OF MANN-KENDALL TREND TEST ANALYSIS FOR MONITORING WELLS WITH
MULTIPLE MCL EXCEEDANCES

Former Beloit Corp. - Blackhawk Facility, Rockton, Illinois

<u>WELL</u>	<u>CONTAMINANT</u>	<u>TIME PERIOD</u>	<u>TREND</u> *	<u>COMMENTS</u>
W18	TCE	1996-2013	Decreasing	Concentrations < MCL since 10/2001
W23	PCE	1996-2013 2008-2013	Decreasing Decreasing	
W23B	PCE	1996-2013 2008-2013	Increasing Increasing	
	TCE	1996-2013 2008-2013	Decreasing Insufficient evidence	
	cis-1,2-DCE	1996-2013 2008-2013	Insufficient evidence Decreasing	
W26C	PCE	1996-2013	Decreasing	Concentrations < MCL since 2/2005
	TCE	1996-2013 2008-2013	Decreasing Decreasing	
W31C	PCE	2006-2013 2008-2013	Decreasing Insufficient evidence	8 sampling events 5 sampling events
W34	PCE	1996-2013 2008-2013	Insufficient evidence Increasing	
W38	PCE	1996-2013	Decreasing	Concentrations < MCL since 4/2000 (2 isolated exceedances in 10/2001 & 3/2008)
W41	PCE	1996-2013 2008-2013	Decreasing Decreasing	
W43C	TCE	1996-2013	Decreasing	Concentrations < MCL since 6/2003
W47C	TCE	1998-2013 2008-2013	Decreasing Decreasing	
	1,1-DCE	1998-2013	Decreasing	Concentrations < MCL since 2/2005
W48C	TCE	1997-2013	Decreasing	Concentrations < MCL since 8/1999
W52	PCE	2008-2013	Decreasing	Sampling initiated in 2008
	TCE	2008-2013	Decreasing	Sampling initiated in 2008
W52B	PCE	2008-2013	Increasing	Sampling initiated in 2008
W54	PCE	2008-2013	Insufficient evidence	Sampling initiated in 2008

* Statistically significant evidence of the trend at the specified level of significance (0.05); confidence coefficient of 0.95.

Mann-Kendall Trend Test Analysis performed using USEPA ProUCL 4.1.00, EPA/600/R-07/041

APPENDIX D - Site Inspection Checklist

Please note that "O&M" is referred to throughout this checklist. At sites where Long-Term Response Actions are in progress, O&M activities may be referred to as "system operations" since these sites are not considered to be in the O&M phase while being remediated under the Superfund program.

Five-Year Review Site Inspection Checklist (Template)

(Working document for site inspection. Information may be completed by hand and attached to the Five-Year Review report as supporting documentation of site status. "N/A" refers to "not applicable.")

I. SITE INFORMATION			
Site name: <u>FORMER BEROZ CORP.</u>	Date of inspection: <u>4/10/13</u>		
Location and Region:	EPA ID:		
Agency, office, or company leading the five-year review: <u>ILLINOIS EPA</u>	Weather/temperature:		
Remedy Includes: (Check all that apply) <div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> Landfill cover/containment <input type="checkbox"/> Access controls <input type="checkbox"/> Institutional controls <input type="checkbox"/> Groundwater pump and treatment <input type="checkbox"/> Surface water collection and treatment <input type="checkbox"/> Other _____ </div> <div> <input type="checkbox"/> Monitored natural attenuation <input type="checkbox"/> Groundwater containment <input type="checkbox"/> Vertical barrier walls </div> </div>			
Attachments: <input type="checkbox"/> Inspection team roster attached <input type="checkbox"/> Site map attached			
II. INTERVIEWS (Check all that apply)			
1. O&M site manager	<u>TROY MCFATE</u> Name	<u>SR. PROJ. MGR.</u> Title	<u>4/10/13</u> Date
Interviewed <input checked="" type="checkbox"/> at site <input type="checkbox"/> at office <input type="checkbox"/> by phone Phone no. <u>217-519-3955</u> Problems, suggestions; <input type="checkbox"/> Report attached <u>WELL SCREEN IN EW03 Clogged WITH ROOTS & NEEDS CLEANED. EW04 SCREEN Clogged WITH INORGANIC MATERIAL & NEEDS CLEANED.</u>			
2. O&M staff	<u>BRETT BAKER</u> Name	<u>FIELD SUPERVISOR</u> Title	<u>4/10/13</u> Date
Interviewed <input checked="" type="checkbox"/> at site <input type="checkbox"/> at office <input type="checkbox"/> by phone Phone no. <u>217-519-2491</u> Problems, suggestions; <input type="checkbox"/> Report attached _____			

3. **Local regulatory authorities and response agencies** (i.e., State and Tribal offices, emergency response office, police department, office of public health or environmental health, zoning office, recorder of deeds, or other city and county offices, etc.). Fill in all that apply.

Agency _____
 Contact _____
 Name _____ Title _____ Date _____ Phone no. _____
 Problems; suggestions; ☐ Report attached _____

Agency _____
 Contact _____
 Name _____ Title _____ Date _____ Phone no. _____
 Problems; suggestions; ☐ Report attached _____

Agency _____
 Contact _____
 Name _____ Title _____ Date _____ Phone no. _____
 Problems; suggestions; ☐ Report attached _____

Agency _____
 Contact _____
 Name _____ Title _____ Date _____ Phone no. _____
 Problems; suggestions; ☐ Report attached _____

4. **Other interviews** (optional) ☐ Report attached.

THERE WAS INTERVIEW WITH JIM ATHANS OF CHEMTROL.

MR. ATHANS HAS BEEN REMOVING MONITORING WELLS WITHOUT PERMISSION FROM THE ILLINOIS EPA. IN ADDITION, THE WELLS WERE NOT PROPERLY ABANDONED. MR. ATHANS DID NOT AGREE TO REPLACE THE WELLS. THE WELLS THAT WERE REMOVED WERE AS FOLLOWS: W54, W54B, W2, W21 + W21B.

III. ON-SITE DOCUMENTS & RECORDS VERIFIED (Check all that apply)			
1.	O&M Documents <input checked="" type="checkbox"/> O&M manual <input checked="" type="checkbox"/> As-built drawings <input checked="" type="checkbox"/> Maintenance logs Remarks <u>O&M MANUAL NEEDS CHEMICAL TREATMENT ADDED TO DRAWING</u> <u>& NEW PUMPS ADDED THAT HAVE REPLACED BROKEN PUMPS.</u>	<input checked="" type="checkbox"/> Readily available <input checked="" type="checkbox"/> Readily available <input checked="" type="checkbox"/> Readily available	<input type="checkbox"/> Up to date <input type="checkbox"/> Up to date <input checked="" type="checkbox"/> Up to date <input type="checkbox"/> N/A <input type="checkbox"/> N/A <input type="checkbox"/> N/A
2.	Site-Specific Health and Safety Plan <input type="checkbox"/> Contingency plan/emergency response plan Remarks <u>HASP NEEDS UPDATED & ADD INFO ON WATER TREATMENT</u> <u>CHEMICALS.</u>	<input checked="" type="checkbox"/> Readily available <input type="checkbox"/> Readily available	<input type="checkbox"/> Up to date <input type="checkbox"/> Up to date <input checked="" type="checkbox"/> N/A <input checked="" type="checkbox"/> N/A
3.	O&M and OSHA Training Records Remarks _____	<input checked="" type="checkbox"/> Readily available	<input checked="" type="checkbox"/> Up to date <input type="checkbox"/> N/A
4.	Permits and Service Agreements <input type="checkbox"/> Air discharge permit <input checked="" type="checkbox"/> Effluent discharge <input checked="" type="checkbox"/> Waste disposal, POTW <input type="checkbox"/> Other permits Remarks <u>NPDES PERMIT AMENDMENT UNDER REVIEW. DRAFT PERMIT</u> <u>IN PUBLIC NOTICE PERIOD.</u>	<input type="checkbox"/> Readily available <input checked="" type="checkbox"/> Readily available <input checked="" type="checkbox"/> Readily available <input type="checkbox"/> Readily available	<input type="checkbox"/> Up to date <input type="checkbox"/> Up to date <input checked="" type="checkbox"/> Up to date <input type="checkbox"/> N/A <input type="checkbox"/> N/A <input type="checkbox"/> N/A <input type="checkbox"/> N/A
5.	Gas Generation Records Remarks _____	<input type="checkbox"/> Readily available	<input type="checkbox"/> Up to date <input checked="" type="checkbox"/> N/A
6.	Settlement Monument Records Remarks _____	<input type="checkbox"/> Readily available	<input type="checkbox"/> Up to date <input checked="" type="checkbox"/> N/A
7.	Groundwater Monitoring Records Remarks _____	<input checked="" type="checkbox"/> Readily available	<input checked="" type="checkbox"/> Up to date <input type="checkbox"/> N/A
8.	Leachate Extraction Records Remarks _____	<input type="checkbox"/> Readily available	<input type="checkbox"/> Up to date <input checked="" type="checkbox"/> N/A
9.	Discharge Compliance Records <input type="checkbox"/> Air <input checked="" type="checkbox"/> Water (effluent) Remarks _____	<input type="checkbox"/> Readily available <input checked="" type="checkbox"/> Readily available	<input type="checkbox"/> Up to date <input checked="" type="checkbox"/> Up to date <input checked="" type="checkbox"/> N/A <input type="checkbox"/> N/A
10.	Daily Access/Security Logs Remarks _____	<input checked="" type="checkbox"/> Readily available	<input checked="" type="checkbox"/> Up to date <input type="checkbox"/> N/A

IV. O&M COSTS

1.	O&M Organization <input type="checkbox"/> State in-house <input type="checkbox"/> PRP in-house <input type="checkbox"/> Federal Facility in-house <input type="checkbox"/> Other _____	<input type="checkbox"/> Contractor for State <input type="checkbox"/> Contractor for PRP <input type="checkbox"/> Contractor for Federal Facility																																																												
2.	O&M Cost Records <input checked="" type="checkbox"/> Readily available <input checked="" type="checkbox"/> Up to date <input type="checkbox"/> Funding mechanism/agreement in place. Original O&M cost estimate _____ <input type="checkbox"/> Breakdown attached <div style="text-align: center;">Total annual cost by year for review period if available</div> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">From _____</td> <td style="width: 20%;">To _____</td> <td style="width: 20%;"></td> <td style="width: 20%;"></td> <td style="width: 20%;"></td> <td style="width: 20%;"></td> </tr> <tr> <td style="text-align: center;">Date</td> <td style="text-align: center;">Date</td> <td style="text-align: center;">Total cost</td> <td></td> <td><input type="checkbox"/> Breakdown attached</td> <td></td> </tr> <tr> <td>From _____</td> <td>To _____</td> <td></td> <td></td> <td><input type="checkbox"/> Breakdown attached</td> <td></td> </tr> <tr> <td style="text-align: center;">Date</td> <td style="text-align: center;">Date</td> <td style="text-align: center;">Total cost</td> <td></td> <td><input type="checkbox"/> Breakdown attached</td> <td></td> </tr> <tr> <td>From _____</td> <td>To _____</td> <td></td> <td></td> <td><input type="checkbox"/> Breakdown attached</td> <td></td> </tr> <tr> <td style="text-align: center;">Date</td> <td style="text-align: center;">Date</td> <td style="text-align: center;">Total cost</td> <td></td> <td><input type="checkbox"/> Breakdown attached</td> <td></td> </tr> <tr> <td>From _____</td> <td>To _____</td> <td></td> <td></td> <td><input type="checkbox"/> Breakdown attached</td> <td></td> </tr> <tr> <td style="text-align: center;">Date</td> <td style="text-align: center;">Date</td> <td style="text-align: center;">Total cost</td> <td></td> <td><input type="checkbox"/> Breakdown attached</td> <td></td> </tr> <tr> <td>From _____</td> <td>To _____</td> <td></td> <td></td> <td><input type="checkbox"/> Breakdown attached</td> <td></td> </tr> <tr> <td style="text-align: center;">Date</td> <td style="text-align: center;">Date</td> <td style="text-align: center;">Total cost</td> <td></td> <td><input type="checkbox"/> Breakdown attached</td> <td></td> </tr> </table>		From _____	To _____					Date	Date	Total cost		<input type="checkbox"/> Breakdown attached		From _____	To _____			<input type="checkbox"/> Breakdown attached		Date	Date	Total cost		<input type="checkbox"/> Breakdown attached		From _____	To _____			<input type="checkbox"/> Breakdown attached		Date	Date	Total cost		<input type="checkbox"/> Breakdown attached		From _____	To _____			<input type="checkbox"/> Breakdown attached		Date	Date	Total cost		<input type="checkbox"/> Breakdown attached		From _____	To _____			<input type="checkbox"/> Breakdown attached		Date	Date	Total cost		<input type="checkbox"/> Breakdown attached	
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Date	Date	Total cost		<input type="checkbox"/> Breakdown attached																																																										
3.	Unanticipated or Unusually High O&M Costs During Review Period Describe costs and reasons: _____ _____ _____ _____ _____																																																													
V. ACCESS AND INSTITUTIONAL CONTROLS <input checked="" type="checkbox"/> Applicable <input type="checkbox"/> N/A																																																														
A. Fencing																																																														
1.	Fencing damaged Remarks _____	<input type="checkbox"/> Location shown on site map <input checked="" type="checkbox"/> Gates secured <input type="checkbox"/> N/A																																																												
B. Other Access Restrictions																																																														
1.	Signs and other security measures Remarks <u>Sign on Treatment Building & Chemical has security that requires sign in before entering the property.</u>																																																													

C. Institutional Controls (ICs)							
1.	Implementation and enforcement Site conditions imply ICs not properly implemented <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Site conditions imply ICs not being fully enforced <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Type of monitoring (e.g., self-reporting, drive by) _____ Frequency _____ Responsible party/agency _____ Contact _____						
	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">Name</td> <td style="width: 33%;">Title</td> <td style="width: 33%;">Date</td> <td>Phone no.</td> </tr> </table>	Name	Title	Date	Phone no.		
Name	Title	Date	Phone no.				
	Reporting is up-to-date <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Reports are verified by the lead agency <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Specific requirements in deed or decision documents have been met <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Violations have been reported <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Other problems or suggestions: <input type="checkbox"/> Report attached						
2.	Adequacy <input type="checkbox"/> ICs are adequate <input type="checkbox"/> ICs are inadequate <input type="checkbox"/> N/A Remarks _____ _____ _____						
D. General							
1.	Vandalism/trespassing <input type="checkbox"/> Location shown on site map <input checked="" type="checkbox"/> No vandalism evident Remarks _____ _____						
2.	Land use changes on site <input type="checkbox"/> N/A Remarks <u>CHEMTROL BOUGHT PROPERTY IN 2008 + HAVE CLEANED THE SITE UP +</u> <u>THE SITE IS MORE SECURE. CHEMTROL FILLED IN WASTEWATER LAGOONS IN 2008.</u>						
3.	Land use changes off site <input type="checkbox"/> N/A Remarks <u>NONE</u>						
VI. GENERAL SITE CONDITIONS							
A. Roads <input checked="" type="checkbox"/> Applicable <input type="checkbox"/> N/A							
1.	Roads damaged <input type="checkbox"/> Location shown on site map <input checked="" type="checkbox"/> Roads adequate <input type="checkbox"/> N/A Remarks _____ _____						

B. Other Site Conditions			
Remarks <u>CHEM TOOL USING ON-SITE WELL ON NORTH SIDE OF THEIR BUILDING. IT APPEARS FROM MEETING THAT THEY HAVE NOT HOOKED UP TO CITY WATER AS OF NOW.</u>			
VII. LANDFILL COVERS <input type="checkbox"/> Applicable <input checked="" type="checkbox"/> N/A			
A. Landfill Surface			
1.	Settlement (Low spots) Areal extent _____ Depth _____ Remarks _____	<input type="checkbox"/> Location shown on site map <input type="checkbox"/> Settlement not evident	
2.	Cracks Lengths _____ Widths _____ Depths _____ Remarks _____	<input type="checkbox"/> Location shown on site map <input type="checkbox"/> Cracking not evident	
3.	Erosion Areal extent _____ Depth _____ Remarks _____	<input type="checkbox"/> Location shown on site map <input type="checkbox"/> Erosion not evident	
4.	Holes Areal extent _____ Depth _____ Remarks _____	<input type="checkbox"/> Location shown on site map <input type="checkbox"/> Holes not evident	
5.	Vegetative Cover <input type="checkbox"/> Grass <input type="checkbox"/> Cover properly established <input type="checkbox"/> No signs of stress <input type="checkbox"/> Trees/Shrubs (indicate size and locations on a diagram) Remarks _____		
6.	Alternative Cover (armored rock, concrete, etc.) <input type="checkbox"/> N/A Remarks _____		
7.	Bulges Areal extent _____ Height _____ Remarks _____	<input type="checkbox"/> Location shown on site map <input type="checkbox"/> Bulges not evident	
8.	Wet Areas/Water Damage <input type="checkbox"/> Wet areas/water damage not evident <input type="checkbox"/> Wet areas <input type="checkbox"/> Location shown on site map Areal extent _____ <input type="checkbox"/> Ponding <input type="checkbox"/> Location shown on site map Areal extent _____ <input type="checkbox"/> Seeps <input type="checkbox"/> Location shown on site map Areal extent _____ <input type="checkbox"/> Soft subgrade <input type="checkbox"/> Location shown on site map Areal extent _____ Remarks _____		

9.	Slope Instability	<input type="checkbox"/> Slides	<input type="checkbox"/> Location shown on site map	<input type="checkbox"/> No evidence of slope instability
	Areal extent _____			
	Remarks _____			
B. Benches				
	<input type="checkbox"/> Applicable	<input type="checkbox"/> N/A		
	(Horizontally constructed mounds of earth placed across a steep landfill side slope to interrupt the slope in order to slow down the velocity of surface runoff and intercept and convey the runoff to a lined channel.)			
1.	Flows Bypass Bench	<input type="checkbox"/> Location shown on site map	<input type="checkbox"/> N/A or okay	
	Remarks _____			
2.	Bench Breached	<input type="checkbox"/> Location shown on site map	<input type="checkbox"/> N/A or okay	
	Remarks _____			
3.	Bench Overtopped	<input type="checkbox"/> Location shown on site map	<input type="checkbox"/> N/A or okay	
	Remarks _____			
C. Letdown Channels				
	<input type="checkbox"/> Applicable	<input type="checkbox"/> N/A		
	(Channel lined with erosion control mats, riprap, grout bags, or gabions that descend down the steep side slope of the cover and will allow the runoff water collected by the benches to move off of the landfill cover without creating erosion gullies.)			
1.	Settlement	<input type="checkbox"/> Location shown on site map	<input type="checkbox"/> No evidence of settlement	
	Areal extent _____	Depth _____		
	Remarks _____			
2.	Material Degradation	<input type="checkbox"/> Location shown on site map	<input type="checkbox"/> No evidence of degradation	
	Material type _____	Areal extent _____		
	Remarks _____			
3.	Erosion	<input type="checkbox"/> Location shown on site map	<input type="checkbox"/> No evidence of erosion	
	Areal extent _____	Depth _____		
	Remarks _____			

4.	Undercutting	<input type="checkbox"/> Location shown on site map	<input type="checkbox"/> No evidence of undercutting
	Areal extent _____	Depth _____	
	Remarks _____		
5.	Obstructions	Type _____	<input type="checkbox"/> No obstructions
	<input type="checkbox"/> Location shown on site map	Areal extent _____	
	Size _____		
	Remarks _____		
6.	Excessive Vegetative Growth	Type _____	
	<input type="checkbox"/> No evidence of excessive growth		
	<input type="checkbox"/> Vegetation in channels does not obstruct flow		
	<input type="checkbox"/> Location shown on site map	Areal extent _____	
	Remarks _____		
D. Cover Penetrations <input type="checkbox"/> Applicable <input type="checkbox"/> N/A			
1.	Gas Vents	<input type="checkbox"/> Active	<input type="checkbox"/> Passive
	<input type="checkbox"/> Properly secured/locked	<input type="checkbox"/> Functioning	<input type="checkbox"/> Routinely sampled <input type="checkbox"/> Good condition
	<input type="checkbox"/> Evidence of leakage at penetration		<input type="checkbox"/> Needs Maintenance
	<input type="checkbox"/> N/A		
	Remarks _____		
2.	Gas Monitoring Probes	<input type="checkbox"/> Properly secured/locked	<input type="checkbox"/> Functioning <input type="checkbox"/> Routinely sampled <input type="checkbox"/> Good condition
	<input type="checkbox"/> Evidence of leakage at penetration	<input type="checkbox"/> Needs Maintenance	<input type="checkbox"/> N/A
	Remarks _____		
3.	Monitoring Wells (within surface area of landfill)	<input type="checkbox"/> Properly secured/locked	<input type="checkbox"/> Functioning <input type="checkbox"/> Routinely sampled <input type="checkbox"/> Good condition
	<input type="checkbox"/> Evidence of leakage at penetration	<input type="checkbox"/> Needs Maintenance	<input type="checkbox"/> N/A
	Remarks _____		
4.	Leachate Extraction Wells	<input type="checkbox"/> Properly secured/locked	<input type="checkbox"/> Functioning <input type="checkbox"/> Routinely sampled <input type="checkbox"/> Good condition
	<input type="checkbox"/> Evidence of leakage at penetration	<input type="checkbox"/> Needs Maintenance	<input type="checkbox"/> N/A
	Remarks _____		
5.	Settlement Monuments	<input type="checkbox"/> Located	<input type="checkbox"/> Routinely surveyed <input type="checkbox"/> N/A
	Remarks _____		

E. Gas Collection and Treatment		<input type="checkbox"/> Applicable	<input type="checkbox"/> N/A
1.	Gas Treatment Facilities <input type="checkbox"/> Flaring <input type="checkbox"/> Thermal destruction <input type="checkbox"/> Collection for reuse <input type="checkbox"/> Good condition <input type="checkbox"/> Needs Maintenance Remarks _____		
2.	Gas Collection Wells, Manifolds and Piping <input type="checkbox"/> Good condition <input type="checkbox"/> Needs Maintenance Remarks _____		
3.	Gas Monitoring Facilities (e.g., gas monitoring of adjacent homes or buildings) <input type="checkbox"/> Good condition <input type="checkbox"/> Needs Maintenance <input type="checkbox"/> N/A Remarks _____		
F. Cover Drainage Layer		<input type="checkbox"/> Applicable	<input type="checkbox"/> N/A
1.	Outlet Pipes Inspected <input type="checkbox"/> Functioning <input type="checkbox"/> N/A Remarks _____		
2.	Outlet Rock Inspected <input type="checkbox"/> Functioning <input type="checkbox"/> N/A Remarks _____		
G. Detention/Sedimentation Ponds		<input type="checkbox"/> Applicable	<input type="checkbox"/> N/A
1.	Siltation Areal extent _____ Depth _____ <input type="checkbox"/> N/A <input type="checkbox"/> Siltation not evident Remarks _____		
2.	Erosion Areal extent _____ Depth _____ <input type="checkbox"/> Erosion not evident Remarks _____		
3.	Outlet Works <input type="checkbox"/> Functioning <input type="checkbox"/> N/A Remarks _____		
4.	Dam <input type="checkbox"/> Functioning <input type="checkbox"/> N/A Remarks _____		

H. Retaining Walls		<input type="checkbox"/> Applicable	<input type="checkbox"/> N/A
1.	Deformations	<input type="checkbox"/> Location shown on site map	<input type="checkbox"/> Deformation not evident
	Horizontal displacement _____	Vertical displacement _____	
	Rotational displacement _____		
	Remarks _____		
2.	Degradation	<input type="checkbox"/> Location shown on site map	<input type="checkbox"/> Degradation not evident
	Remarks _____		
I. Perimeter Ditches/Off-Site Discharge		<input type="checkbox"/> Applicable	<input type="checkbox"/> N/A
1.	Siltation	<input type="checkbox"/> Location shown on site map	<input type="checkbox"/> Siltation not evident
	Areal extent _____	Depth _____	
	Remarks _____		
2.	Vegetative Growth	<input type="checkbox"/> Location shown on site map	<input type="checkbox"/> N/A
	<input type="checkbox"/> Vegetation does not impede flow		
	Areal extent _____	Type _____	
	Remarks _____		
3.	Erosion	<input type="checkbox"/> Location shown on site map	<input type="checkbox"/> Erosion not evident
	Areal extent _____	Depth _____	
	Remarks _____		
4.	Discharge Structure	<input type="checkbox"/> Functioning	<input type="checkbox"/> N/A
	Remarks _____		
VIII. VERTICAL BARRIER WALLS		<input type="checkbox"/> Applicable	<input checked="" type="checkbox"/> N/A
1.	Settlement	<input type="checkbox"/> Location shown on site map	<input type="checkbox"/> Settlement not evident
	Areal extent _____	Depth _____	
	Remarks _____		
2.	Performance Monitoring	Type of monitoring _____	
	<input type="checkbox"/> Performance not monitored		
	Frequency _____	<input type="checkbox"/> Evidence of breaching	
	Head differential _____		
	Remarks _____		

IX. GROUNDWATER/SURFACE WATER REMEDIES <input checked="" type="checkbox"/> Applicable <input type="checkbox"/> N/A	
A. Groundwater Extraction Wells, Pumps, and Pipelines <input checked="" type="checkbox"/> Applicable <input type="checkbox"/> N/A	
1.	Pumps, Wellhead Plumbing, and Electrical <input type="checkbox"/> Good condition <input checked="" type="checkbox"/> All required wells properly operating <input checked="" type="checkbox"/> Needs Maintenance <input type="checkbox"/> N/A Remarks <u>EW03 & EW04 WELL SCREENS NEED CLEANED. THE CLOGGED SCREENS AFFECTING PERFORMANCE & HARD ON PUMPS.</u>
2.	Extraction System Pipelines, Valves, Valve Boxes, and Other Appurtenances <input checked="" type="checkbox"/> Good condition <input type="checkbox"/> Needs Maintenance Remarks <u>EFFLUENT LINE HAS CALCIUM CARBONATE SCALING BUT WATER TREATMENT CHEMICALS HELPING WITH O&M ISSUES.</u>
3.	Spare Parts and Equipment <input checked="" type="checkbox"/> Readily available <input checked="" type="checkbox"/> Good condition <input type="checkbox"/> Requires upgrade <input type="checkbox"/> Needs to be provided Remarks _____
B. Surface Water Collection Structures, Pumps, and Pipelines <input type="checkbox"/> Applicable <input checked="" type="checkbox"/> N/A	
1.	Collection Structures, Pumps, and Electrical <input type="checkbox"/> Good condition <input type="checkbox"/> Needs Maintenance Remarks _____
2.	Surface Water Collection System Pipelines, Valves, Valve Boxes, and Other Appurtenances <input type="checkbox"/> Good condition <input type="checkbox"/> Needs Maintenance Remarks _____
3.	Spare Parts and Equipment <input type="checkbox"/> Readily available <input type="checkbox"/> Good condition <input type="checkbox"/> Requires upgrade <input type="checkbox"/> Needs to be provided Remarks _____

C. Treatment System		<input checked="" type="checkbox"/> Applicable	<input type="checkbox"/> N/A
1.	Treatment Train (Check components that apply) <input type="checkbox"/> Metals removal <input type="checkbox"/> Oil/water separation <input type="checkbox"/> Bioremediation <input checked="" type="checkbox"/> Air stripping <input type="checkbox"/> Carbon adsorbers <input type="checkbox"/> Filters <input checked="" type="checkbox"/> Additive (e.g., chelation agent, flocculent) <u>Antiscalant to prevent scaling of A/S + Effluent pipe.</u> <input type="checkbox"/> Others <input checked="" type="checkbox"/> Good condition <input type="checkbox"/> Needs Maintenance <input checked="" type="checkbox"/> Sampling ports properly marked and functional <input checked="" type="checkbox"/> Sampling/maintenance log displayed and up to date <input checked="" type="checkbox"/> Equipment properly identified <input type="checkbox"/> Quantity of groundwater treated annually <u>94,690,000</u> <input type="checkbox"/> Quantity of surface water treated annually Remarks		
2.	Electrical Enclosures and Panels (properly rated and functional) <input type="checkbox"/> N/A <input checked="" type="checkbox"/> Good condition <input type="checkbox"/> Needs Maintenance Remarks		
3.	Tanks, Vaults, Storage Vessels <input type="checkbox"/> N/A <input checked="" type="checkbox"/> Good condition <input type="checkbox"/> Proper secondary containment <input type="checkbox"/> Needs Maintenance Remarks		
4.	Discharge Structure and Appurtenances <input type="checkbox"/> N/A <input checked="" type="checkbox"/> Good condition <input type="checkbox"/> Needs Maintenance Remarks		
5.	Treatment Building(s) <input type="checkbox"/> N/A <input type="checkbox"/> Good condition (esp. roof and doorways) <input checked="" type="checkbox"/> Needs repair <input checked="" type="checkbox"/> Chemicals and equipment properly stored Remarks <u>Door of old building is rusting out + may need to be replaced in the near future.</u>		
6.	Monitoring Wells (pump and treatment remedy) <input checked="" type="checkbox"/> Properly secured/locked <input checked="" type="checkbox"/> Functioning <input checked="" type="checkbox"/> Routinely sampled <input type="checkbox"/> Good condition <input checked="" type="checkbox"/> All required wells located <input checked="" type="checkbox"/> Needs Maintenance <input type="checkbox"/> N/A Remarks <u>SOME WELLS NEAR TREATMENT SYSTEM HAVE DAMAGED PROTECTIVE COVERS. W31C, W34, W53, W53B, W23, W23B</u>		
D. Monitoring Data			
1.	Monitoring Data <input checked="" type="checkbox"/> Ts routinely submitted on time <input checked="" type="checkbox"/> Ts of acceptable quality		
2.	Monitoring data suggests: <input type="checkbox"/> Groundwater plume is effectively contained <input type="checkbox"/> Contaminant concentrations are declining		

D. Monitored Natural Attenuation		
1.	Monitoring Wells (natural attenuation remedy) <input checked="" type="checkbox"/> Properly secured/locked <input checked="" type="checkbox"/> Functioning <input checked="" type="checkbox"/> Routinely sampled <input checked="" type="checkbox"/> Good condition <input checked="" type="checkbox"/> All required wells located <input type="checkbox"/> Needs Maintenance <input type="checkbox"/> N/A Remarks _____	
X. OTHER REMEDIES		
If there are remedies applied at the site which are not covered above, attach an inspection sheet describing the physical nature and condition of any facility associated with the remedy. An example would be soil vapor extraction.		
XI. OVERALL OBSERVATIONS		
A.	Implementation of the Remedy	
	Describe issues and observations relating to whether the remedy is effective and functioning as designed. Begin with a brief statement of what the remedy is to accomplish (i.e., to contain contaminant plume, minimize infiltration and gas emission, etc.). <u>EXTRACTION WELLS EW03 & EW04 WERE INSTALLED TO CONTAIN</u> <u>THE CONTAMINANT PLUME. IT APPEARS THE LOWER PRODUCTION</u> <u>IN EW04 DUE TO THE SCALING OF THE WELL SCREEN IS CAUSING</u> <u>THE TCE CONCENTRATION IN W18 TO INCREASE. W18 IS</u> <u>LOCATED OFF SITE & IN THE VICINITY OF EW04. W18</u> <u>IS LOCATED IN THE BLACKHAWK SUBDIVISION.</u>	
B.	Adequacy of O&M	
	Describe issues and observations related to the implementation and scope of O&M procedures. In particular, discuss their relationship to the current and long-term protectiveness of the remedy.	

C. Early Indicators of Potential Remedy Problems
Describe issues and observations such as unexpected changes in the cost or scope of O&M or a high frequency of unscheduled repairs, that suggest that the protectiveness of the remedy may be compromised in the future.
<hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>
D. Opportunities for Optimization
Describe possible opportunities for optimization in monitoring tasks or the operation of the remedy.
<hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>

APPENDIX E - Community Surveys



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

1021 NORTH GRAND AVENUE EAST, P.O. BOX 19276, SPRINGFIELD, ILLINOIS 62794-9276 • (217) 782-2829

PAT QUINN, GOVERNOR

LISA BONNETT, DIRECTOR

May 30, 2013

Dear Concerned Citizen:

Representatives from the Illinois Environmental Protection Agency (Illinois EPA) will once again be conducting another round of private water well sampling for the Beloit Corporation Superfund Site. Potable wells will be sampled for Volatile Organic Compounds (VOCs) on June 26th and June 27th. Please be reminded there is no cost for the sampling. The Illinois EPA wants to make sure that everyone has the opportunity to participate in this sampling. We are aware that some of the residents do not want to have their private water well sampled, and we respect their wishes. However, we do not want to miss those home owners who would like to take advantage of this sampling opportunity. Therefore, we will be distributing this notice to all residences in the Blackhawk Acres Subdivision. We apologize to those who receive this notice who have notified us previously that they prefer not to have their well sampled, but we also know that residency status can change, with new occupants (both homeowners and renters), at any given time.

For those residents not wanting to have their private well sampled, please disregard this request. For those residents who do want to have their drinking water sampled, please return the attached green form in the self-enclosed envelope to me by June 10th.

If you are renting your home, please complete the occupancy information and pass this form along to your landlord. Before sampling can be conducted, the Illinois EPA must receive permission from the property owner. The Illinois Department of Public Health will send sampling results to both the property owner(s) and renter(s).

It is not necessary for you to be present during the drinking water sampling, if an outside spigot is accessible and if the sample will not be influenced by any softening or filtering treatment.

If you have any questions or need to set up a time to have your drinking water well sampled, feel free to call me at 217/524-4825 or e-mail me at Michelle.Tebrugge@illinois.gov.

Sincerely,

A handwritten signature in cursive script that reads "Michelle D. Tebrugge".

Michelle D. Tebrugge
Illinois EPA Community Relations Specialist

cc: Eric Runkel, Illinois EPA



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

1021 NORTH GRAND AVENUE EAST, P.O. BOX 19276, SPRINGFIELD, ILLINOIS 62794-9276 • (217) 782-2829

PAT QUINN, GOVERNOR

LISA BONNETT, DIRECTOR

May 30, 2013

Dear Concerned Citizen:

The Illinois Environmental Protection Agency (Illinois EPA or Agency) and United States Environmental Protection Agency (USEPA) are conducting the required five-year review of the Beloit Corporation Superfund site located in Rockton, Illinois. The on-going site remedy for the volatile organic compounds (VOCs) found in a limited number of private water wells include a pump-and-treat system at the Beloit Corporation Facility to remove the contaminants, as well as, annual groundwater sampling conducted by the Illinois EPA.

This is the first scheduled five-year review to determine if the site still represents a threat to human health or the environment and to ensure the on-going cleanup is being effective in protecting people and remediating groundwater as intended. The review began on April 1, 2013, and is expected to be completed in September 2013.

The review team (which includes technical and community relations representatives from both the state and federal agencies) participates in data and document reviews and a site inspection, as well as, residential well sampling. This private water well sampling is scheduled for June 26th and 27th. Please see supplemental information within this envelope to further explain this sampling.

The five-year review also gives local community members the opportunity to voice their concerns regarding the Beloit Corporation Superfund site. We have also enclosed a questionnaire asking your opinions and thoughts about site conditions, site clean-up, and Illinois EPA community outreach efforts. *We greatly appreciate your responses to these questions.*

The Illinois EPA is also giving you this opportunity to request an open house with our Agency's representatives on Tuesday, June 25th. If you are interested in participating in one of these question and answer sessions, please complete and return the enclosed request form.

Once the review team compiles the information obtained from community interviews and the enclosed information gathering sheets, it will develop a summary of their findings which will be available for public review at the Beloit Cooperation Information Repository located at the Talcott Free Library, 101 East Main Street, Rockton, Illinois 61072 (Phone: 815.624.7511) and at the Illinois Environmental Protection Agency in Springfield, Illinois.

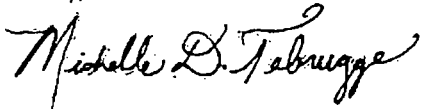
For your convenience, we have enclosed a self-addressed envelope. When returning to the Illinois EPA, please include the following information in that envelope:

- June 2013 well sampling form (green sheet)
- 5-year review information gathering sheet
- Request for an open house with Illinois EPA

Please return all forms by June 10, 2013

If you have any questions about the aforementioned 5-year review process, June 2013 residential well sampling, questionnaire and on-going community interviews, and/or Illinois EPA's open house, feel free to contact me at 217.524.4825 or email me at Michelle.Tebrugge@illinois.gov.

Sincerely,

A handwritten signature in black ink that reads "Michelle D. Tebrugge". The signature is written in a cursive, flowing style.

Michelle D. Tebrugge
Illinois EPA Community Relations Specialist

cc: Eric Runkel, Illinois EPA

Business Address: _____

Concerns/Comments

In your role as a local official...now that the remedy (groundwater pump and treat and ongoing residential well sampling) is in place, what concerns do you have regarding the Beloit Corporation Superfund site?

*I WOULD LIKE TO KNOW THE CURRENT DEGREE OF CONTAMINATION.
IS THE SITE NOW "CLEAN"? I HAVEN'T SEEN THE PUMP & TREAT
IN OPERATION FOR SEVERAL MONTHS.*

In your role as a local official...what types of public concerns/comments (regarding the Beloit Corporation Superfund Site) have been expressed to you?

NONE IN PAST YEAR OR SO.

Would you like to meet with Illinois EPA representatives prior to the upcoming question and answer sessions to discuss your concerns about the on-going remedy or the five-year review?

☒ Yes

☐ No

If yes, would you be available to meet with Illinois EPA representatives late morning/early afternoon of June 25th?

☐ Yes

☒ No

I'LL BE OUT OF TOWN FROM JUNE 20 UNTIL JULY 6.

If yes, we will be calling your municipal/township office to set up a mutually convenient time to meet.

Thank you for your time and cooperation in completing this survey.
Please return by June 10, 2013 in the self-enclosed envelope.

Residential Information:

Do you live in the Village of Rockton?

☒ Yes

☐ No

Do you live in Rockton Township?

☒ Yes

☐ No

Do you live in Blackhawk Acres Subdivision?

☒ Yes

☐ No

How long have you lived at your current location?

years

Do you own or rent your home?

☒ Own

☐ Rent

Number of adults living in the home

1

Number of children (under the age of 18 years) living in the home

1

Private Water Well Information

Do you have a private groundwater well?

☒ Yes

☐ No

If yes, what do you use it for?
(check all that apply)

☒ Drinking

☒ Showering

☒ Watering garden

☒ Washing car

☒ Other: pool

If no, when did you decide to hookup to City water?

(date)

At that time, did you decide to annex into the City? ☐ Yes

☐ No

In the past few years, have you given the Illinois EPA permission to sample your drinking water well for VOCs (volatile organic compounds)?

☒ Yes

☐ No

If no, what made you decide not to have the Illinois EPA sample your drinking water well?

If yes, have you received your sampling results and a letter of explanation in an understandable and timely manner?

☒ Yes

☐ No

The Illinois EPA will once again be sampling private water wells for VOC on June 26 and 27, 2013. Would you like your drinking water to be sampled for VOCs?

☒ Yes

☐ No

If yes, please complete and return the enclosed green residential well sampling form.

Any additional concerns/comments re: Illinois EPA private water well sampling?

Concerns/Comments

Are you aware that there is a Superfund site in your community (located in Rockton, Illinois)?

☒ Yes ☐ No

If no, are you new to this area? ☐ Yes ☐ No

If no, would you like more background information on the Beloit Corporation Superfund site?
☐ Yes ☐ No

If you would like more background information on the Beloit Corporation Superfund site, please contact Michelle Tebrugge at the phone number or email address listed on the cover sheet to this survey.

Are you concerned about VOC contamination associated with the Beloit Corporation Superfund site?
☒ Yes ☐ No

Please be specific about your concerns about the VOC contamination associated with the Beloit Corporation Superfund site.....

My daughter getting cancer.

Now that the remedy (groundwater pump and treat and ongoing residential well sampling) is in place, what concerns do you have regarding the Beloit Corporation Superfund site?

1) continued dumping at the site.
2) lack of state funds to continue sampling.
3) Change in water table level, such as last years drought, causing higher Voc levels that were missed due to lack of testing last year.

Site Conditions

Are you aware of any site conditions at the Beloit Corporation facility that you believe would be considered "non-protective" of the environment?

☐ Yes ☒ No

If yes, please describe in detail:

Information Distribution

Have you ever received a fact sheet from the Illinois EPA?

☐ Yes ☐ No

If yes, do you find the Illinois EPA Fact Sheets/Site Updates for this site to be helpful?

☐ Yes ☐ No

What topics would you like to see addressed in any future fact sheets?

Have you attended any of Illinois EPA's public availability sessions/informational meetings/public meetings?

☒ Yes ☐ No

If yes, were the locations for those meetings convenient for you?

☒ Yes ☐ No

Have you visited the Beloit Corporation Superfund Site Information Repository at The Talcott Free Library?

☐ Yes ☒ No

Residential Information

Do you live in the Village of Rockton?

☐ Yes

☒ No

Do you live in Rockton Township?

☒ Yes

☐ No

Do you live in Blackhawk Acres Subdivision?

☒ Yes

☐ No

How long have you lived at your current location?

65 years

Do you own or rent your home?

☒ Own

☐ Rent

Number of adults living in the home

1

Number of children (under the age of 18 years) living in the home

0

Private Water Well Information

Do you have a private groundwater well?

☒ Yes

☐ No

If yes, what do you use it for?

(check all that apply)

☐ Drinking

☒ Showering

☐ Watering garden

☒ Washing car

☐ Other: _____

If no, when did you decide to hookup to City water?

no (date)

At that time, did you decide to annex into the City? ☐ Yes

☒ No

In the past few years, have you given the Illinois EPA permission to sample your drinking water well for VOCs (volatile organic compounds)?

☒ Yes

☐ No

If no, what made you decide not to have the Illinois EPA sample your drinking water well?

each time they are testing

If yes, have you received your sampling results and a letter of explanation in an understandable and timely manner?

☒ Yes

☐ No

The Illinois EPA will once again be sampling private water wells for VOC on June 26 and 27, 2013. Would you like your drinking water to be sampled for VOCs?

☒ Yes

☐ No

If yes, please complete and return the enclosed green residential well sampling form.

Any additional concerns/comments re: Illinois EPA private water well sampling?

Residential Information:

Do you live in the Village of Rockton?

☐ Yes

☒ No

Do you live in Rockton Township?

☒ Yes

☐ No

Do you live in Blackhawk Acres Subdivision?

☒ Yes

☐ No

How long have you lived at your current location?

9 years

Do you own or rent your home?

☒ Own

☐ Rent

Number of adults living in the home

1

Number of children (under the age of 18 years) living in the home

0

Private Water Well Information

Do you have a private groundwater well?

☒ Yes

☐ No

If yes, what do you use it for?
(check all that apply)

☒ Drinking
☐ Watering garden
☐ Other: _____

☒ Showering
☐ Washing car

If no, when did you decide to hookup to City water?

_____ (date)

At that time, did you decide to annex into the City? ☐ Yes

☐ No

In the past few years, have you given the Illinois EPA permission to sample your drinking water well for VOCs (volatile organic compounds)?

☒ Yes

☐ No

If no, what made you decide not to have the Illinois EPA sample your drinking water well?

If yes, have you received your sampling results and a letter of explanation in an understandable and timely manner?

☒ Yes

☐ No

The Illinois EPA will once again be sampling private water wells for VOC on June 26 and 27, 2013. Would you like your drinking water to be sampled for VOCs?

☒ Yes

☐ No

If yes, please complete and return the enclosed green residential well sampling form.

Any additional concerns/comments re: Illinois EPA private water well sampling?

Concerns/Comments

Are you aware that there is a Superfund site in your community (located in Rockton, Illinois)?

☒ Yes

☐ No

If no, are you new to this area?

☐ Yes

☒ No

If no, would you like more background information on the Beloit Corporation Superfund site?

☐ Yes

☒ No

If you would like more background information on the Beloit Corporation Superfund site, please contact Michelle Tebrugge at the phone number or email address listed on the cover sheet to this survey.

Are you concerned about VOC contamination associated with the Beloit Corporation Superfund site?

☒ Yes

☐ No

Please be specific about your concerns about the VOC contamination associated with the Beloit Corporation Superfund site.....

CONTAMINATION HAS NEVER BEEN DETECTED IN MY WELL, BUT I WANT TO BE SURE THAT HASN'T CHANGED.

Now that the remedy (groundwater pump and treat and ongoing residential well sampling) is in place, what concerns do you have regarding the Beloit Corporation Superfund site?

Site Conditions

Are you aware of any site conditions at the Beloit Corporation facility that you believe would be considered "non-protective" of the environment?

☐ Yes

☒ No

If yes, please describe in detail:

Information Distribution

Have you ever received a fact sheet from the Illinois EPA?

☐ Yes

☒ No

If yes, do you find the Illinois EPA Fact Sheets/Site Updates for this site to be helpful?

☐ Yes

☐ No

What topics would you like to see addressed in any future fact sheets?

Have you attended any of Illinois EPA's public availability sessions/informational meetings/public meetings?

☐ Yes

☒ No

If yes, were the locations for those meetings convenient for you?

☐ Yes

☐ No

Have you visited the Beloit Corporation Superfund Site Information Repository at The Talcott Free Library?

☐ Yes

☒ No

Do you feel that the Illinois EPA is adequately keeping you informed about the on-going environmental investigation at the Beloit Corporation Superfund Site?

Yes

No

If no, how would you like to be informed?

In your opinion, what is the best way to provide information to the community?

☐ Newspaper Name(s): _____
☐ Radio Station(s): _____
☐ Television Station(s): _____
☒ Mailings _____

Would you like to meet with Illinois EPA representatives in a question and answer session to discuss your concerns about the on-going remedy or the five-year review?

Yes

X No

The Illinois EPA has scheduled a two question and answer sessions (3:00 and 6:00 pm) for June 25, 2013, at the Rockton Township Hall. If you wish to attend, be sure to complete the bottom portion of the cover letter attached to this survey.

In the future, where would you prefer to meet?

_____ Talcott Library
 _____ Rockton Township Hall
 _____ In your home
 _____ Other: _____

For future meetings, what night(s) of the week work(s) best for you? _____

Other concerns/questions:

This image shows a single sheet of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page. There is no handwriting or printed text on the paper.

Thank you for your time and cooperation in completing this survey.

Please return by June 10, 2013 in the self-enclosed envelope.

(evening) _____

Residential Information:

Do you live in the Village of Rockton?

____ Yes

☒ No

Do you live in Rockton Township?

☒ Yes

____ No

Do you live in Blackhawk Acres Subdivision?

____ Yes

____ No

How long have you lived at your current location?

41 years

Do you own or rent your home?

☒ Own

____ Rent

Number of adults living in the home

4

Number of children (under the age of 18 years) living in the home

1

Private Water Well Information

Do you have a private groundwater well?

☒ Yes

____ No

If yes, what do you use it for?
(check all that apply)

☒ Drinking

☒ Showering

☒ Watering garden

☒ Washing car

____ Other: every thing

If no, when did you decide to hookup to City water?

____ (date)

At that time, did you decide to annex into the City? ____ Yes

____ No

In the past few years, have you given the Illinois EPA permission to sample your drinking water well for VOCs (volatile organic compounds)?

☒ Yes

____ No

If no, what made you decide not to have the Illinois EPA sample your drinking water well?

If yes, have you received your sampling results and a letter of explanation in an understandable and timely manner?

☒ Yes

____ No

The Illinois EPA will once again be sampling private water wells for VOC on June 26 and 27, 2013. Would you like your drinking water to be sampled for VOCs?

☒ Yes

____ No

If yes, please complete and return the enclosed green residential well sampling form.

Any additional concerns/comments re: Illinois EPA private water well sampling?

Concerns/Comments

Are you aware that there is a Superfund site in your community (located in Rockton, Illinois)?

☒ Yes ☐ No

If no, are you new to this area? ☐ Yes ☒ No

If no, would you like more background information on the Beloit Corporation Superfund site?

☐ Yes ☐ No

If you would like more background information on the Beloit Corporation Superfund site, please contact Michelle Tebrugge at the phone number or email address listed on the cover sheet to this survey.

Are you concerned about VOC contamination associated with the Beloit Corporation Superfund site?

☐ Yes ☐ No

Please be specific about your concerns about the VOC contamination associated with the Beloit Corporation Superfund site.....

Now that the remedy (groundwater pump and treat and ongoing residential well sampling) is in place, what concerns do you have regarding the Beloit Corporation Superfund site?

Site Conditions

Are you aware of any site conditions at the Beloit Corporation facility that you believe would be considered "non-protective" of the environment?

☐ Yes ☐ No

If yes, please describe in detail:

Information Distribution

Have you ever received a fact sheet from the Illinois EPA?

☐ Yes ☐ No

If yes, do you find the Illinois EPA Fact Sheets/Site Updates for this site to be helpful?

☐ Yes ☐ No

What topics would you like to see addressed in any future fact sheets?

Have you attended any of Illinois EPA's public availability sessions/informational meetings/public meetings?

☐ Yes ☒ No

If yes, were the locations for those meetings convenient for you?

☐ Yes ☐ No

Have you visited the Beloit Corporation Superfund Site Information Repository at The Talcott Free Library?

☐ Yes ☒ No

✓ Yes No

☒ Newspaper Name(s): Beloit Daily News
☐ Radio Station(s): _____
☐ Television Station(s): _____
☒ Mailings

☐ Yes, ☒ No

☐ Talcott Library
☐ Rockton Township Hall
☐ In your home
☐ Other: _____

10

Please return by June 10, 2013 in the self-enclosed envelope.

Phone number: (daytime) _____
(evening) _____

Residential Information:

Do you live in the Village of Rockton?

_____ Yes

_____ No

Do you live in Rockton Township?

☒ Yes

_____ No

Do you live in Blackhawk Acres Subdivision?

☒ Yes

_____ No

How long have you lived at your current location?

54 years

Do you own or rent your home?

☒ Own

_____ Rent

Number of adults living in the home

0

Number of children (under the age of 18 years) living in the home

0

Private Water Well Information

Do you have a private groundwater well?

☒ Yes

_____ No

If yes, what do you use it for?
(check all that apply)

☒ Drinking
☒ Watering garden
☒ Other: _____

☒ Showering
☒ Washing car

If no, when did you decide to hookup to City water?

_____ (date)

At that time, did you decide to annex into the City? _____ Yes

_____ No

In the past few years, have you given the Illinois EPA permission to sample your drinking water well for VOCs (volatile organic compounds)?

☒ Yes

_____ No

If no, what made you decide not to have the Illinois EPA sample your drinking water well?

If yes, have you received your sampling results and a letter of explanation in an understandable and timely manner?

☒ Yes

_____ No

The Illinois EPA will once again be sampling private water wells for VOC on June 26 and 27, 2013. Would you like your drinking water to be sampled for VOCs?

☒ Yes

_____ No

If yes, please complete and return the enclosed green residential well sampling form.

Any additional concerns/comments re: Illinois EPA private water well sampling?

Concerns/Comments

Are you aware that there is a Superfund site in your community (located in Rockton, Illinois)?

____ Yes ☒ No

If no, are you new to this area?

____ Yes ☒ No

If no, would you like more background information on the Beloit Corporation Superfund site?

____ Yes ☒ No

If you would like more background information on the Beloit Corporation Superfund site, please contact Michelle Tebrugge at the phone number or email address listed on the cover sheet to this survey.

Are you concerned about VOC contamination associated with the Beloit Corporation Superfund site?

____ Yes ☒ No

Please be specific about your concerns about the VOC contamination associated with the Beloit Corporation Superfund site.....

Now that the remedy (groundwater pump and treat and ongoing residential well sampling) is in place, what concerns do you have regarding the Beloit Corporation Superfund site?

None

Site Conditions

Are you aware of any site conditions at the Beloit Corporation facility that you believe would be considered "non-protective" of the environment?

____ Yes ☒ No

If yes, please describe in detail:

Information Distribution

Have you ever received a fact sheet from the Illinois EPA?

____ Yes ☒ No

If yes, do you find the Illinois EPA Fact Sheets/Site Updates for this site to be helpful?

____ Yes ☐ No

What topics would you like to see addressed in any future fact sheets?

Have you attended any of Illinois EPA's public availability sessions/informational meetings/public meetings?

____ Yes ☒ No

If yes, were the locations for those meetings convenient for you?

____ Yes ☐ No

Have you visited the Beloit Corporation Superfund Site Information Repository at The Talcott Free Library?

____ Yes ☒ No

✓ Yes No

_____ Newspaper Name(s): _____
 _____ Radio Station(s): _____
 _____ Television Station(s): _____
 _____ Mailings _____

 Yes ☒ No

_____ Talcott Library
 _____ Rockton Township Hall
 _____ In your home
 _____ Other: _____

This image shows a single sheet of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

Please return by June 10, 2013 in the self-enclosed envelope.

Do you live in the Village of Rockton?

☐ Yes

☒ No

Do you live in Rockton Township?

☒ Yes

☐ No

Do you live in Blackhawk Acres Subdivision?

☒ Yes

☐ No

How long have you lived at your current location?

26 years

Do you own or rent your home?

☒ Own

☐ Rent

Number of adults living in the home

2

Number of children (under the age of 18 years) living in the home

0

Private Water Well Information

Do you have a private groundwater well?

☒ Yes

☒ No

If yes, what do you use it for?
(check all that apply)

☒ Drinking
☐ Watering garden
☐ Other: _____

☒ Showering
☒ Washing car

If no, when did you decide to hookup to City water?

_____ (date)

At that time, did you decide to annex into the City? ☐ Yes

☐ No

In the past few years, have you given the Illinois EPA permission to sample your drinking water well for VOCs (volatile organic compounds)?

☒ Yes

☐ No

If no, what made you decide not to have the Illinois EPA sample your drinking water well?

If yes, have you received your sampling results and a letter of explanation in an understandable and timely manner?

☒ Yes

☐ No

The Illinois EPA will once again be sampling private water wells for VOC on June 26 and 27, 2013. Would you like your drinking water to be sampled for VOCs?

☒ Yes

☐ No

If yes, please complete and return the enclosed green residential well sampling form.

Any additional concerns/comments re: Illinois EPA private water well sampling?

Concerns/Comments

Are you aware that there is a Superfund site in your community (located in Rockton, Illinois)?

_____ Yes ☒ No

If no, are you new to this area? _____ Yes _____ No

If no, would you like more background information on the Beloit Corporation Superfund site?

_____ Yes _____ No

If you would like more background information on the Beloit Corporation Superfund site, please contact Michelle Tebrugge at the phone number or email address listed on the cover sheet to this survey.

Are you concerned about VOC contamination associated with the Beloit Corporation Superfund site?

_____ Yes ☒ No

Please be specific about your concerns about the VOC contamination associated with the Beloit Corporation Superfund site.....

Now that the remedy (groundwater pump and treat and ongoing residential well sampling) is in place, what concerns do you have regarding the Beloit Corporation Superfund site?

Site Conditions

Are you aware of any site conditions at the Beloit Corporation facility that you believe would be considered "non-protective" of the environment?

_____ Yes ☒ No

If yes, please describe in detail: _____

Information Distribution

Have you ever received a fact sheet from the Illinois EPA?

_____ Yes ☒ No

If yes, do you find the Illinois EPA Fact Sheets/Site Updates for this site to be helpful?

☒ Yes _____ No

What topics would you like to see addressed in any future fact sheets?

Have you attended any of Illinois EPA's public availability sessions/informational meetings/public meetings?

_____ Yes ☒ No

If yes, were the locations for those meetings convenient for you?

_____ Yes _____ No

Have you visited the Beloit Corporation Superfund Site Information Repository at The Talcott Free Library?

_____ Yes ☒ No

Do you feel that the Illinois EPA is adequately keeping you informed about the on-going environmental investigation at the Beloit Corporation Superfund Site?

☒ Yes

☐ No

If no, how would you like to be informed?

In your opinion, what is the best way to provide information to the community?

☒ Newspaper

Name(s):

☐ Radio

Station(s):

☐ Television

Station(s):

☒ Mailings

Beloit Daily News + Rockford Register Star

Would you like to meet with Illinois EPA representatives in a question and answer session to discuss your concerns about the on-going remedy or the five-year review?

☐ Yes

☒ No

The Illinois EPA has scheduled a two question and answer sessions (3:00 and 6:00 pm) for June 25, 2013, at the Rockton Township Hall. If you wish to attend, be sure to complete the bottom portion of the cover letter attached to this survey.

In the future, where would you prefer to meet?

☐ Talcott Library

☐ Rockton Township Hall

☐ In your home

☐ Other:

For future meetings, what night(s) of the week work(s) best for you?

Other concerns/questions:

Thank you for your time and cooperation in completing this survey.

Please return by June 10, 2013 in the self-enclosed envelope.

Residential Information:

Do you live in the Village of Rockton?

☐ Yes

☒ No

Do you live in Rockton Township?

☒ Yes

☐ No

Do you live in Blackhawk Acres Subdivision?

☒ Yes

☐ No

How long have you lived at your current location?

13 years

Do you own or rent your home?

☒ Own

☐ Rent

Number of adults living in the home

2

Number of children (under the age of 18 years) living in the home

2

Private Water Well Information

Do you have a private groundwater well?

☒ Yes

☐ No

If yes, what do you use it for?
(check all that apply)

☒ Drinking

☒ Showering

☒ Watering garden

☒ Washing car

☐ Other:

cooking / pets / washing clothes

If no, when did you decide to hookup to City water?

☐ (date)

At that time, did you decide to annex into the City? ☐ Yes

☐ No

In the past few years, have you given the Illinois EPA permission to sample your drinking water well for VOCs (volatile organic compounds)?

☒ Yes

☐ No

If no, what made you decide not to have the Illinois EPA sample your drinking water well?

If yes, have you received your sampling results and a letter of explanation in an understandable and timely manner?

☒ Yes

☐ No

The Illinois EPA will once again be sampling private water wells for VOC on June 26 and 27, 2013. Would you like your drinking water to be sampled for VOCs?

☒ Yes

☐ No

If yes, please complete and return the enclosed green residential well sampling form.

Any additional concerns/comments re: Illinois EPA private water well sampling?

Concerns/Comments

Are you aware that there is a Superfund site in your community (located in Rockton, Illinois)?

☒ Yes ☐ No

If no, are you new to this area? ☐ Yes ☐ No

If no, would you like more background information on the Beloit Corporation Superfund site?

☐ Yes ☐ No

If you would like more background information on the Beloit Corporation Superfund site, please contact Michelle Tebrugge at the phone number or email address listed on the cover sheet to this survey.

Are you concerned about VOC contamination associated with the Beloit Corporation Superfund site?

☒ Yes ☐ No

Please be specific about your concerns about the VOC contamination associated with the Beloit Corporation Superfund site...

Just want to make sure it is always tested and
safe.

Now that the remedy (groundwater pump and treat and ongoing residential well sampling) is in place, what concerns do you have regarding the Beloit Corporation Superfund site?

Site Conditions

Are you aware of any site conditions at the Beloit Corporation facility that you believe would be considered "non-protective" of the environment?

☐ Yes ☒ No

If yes, please describe in detail:

Information Distribution

Have you ever received a fact sheet from the Illinois EPA?

☒ Yes ☐ No

If yes, do you find the Illinois EPA Fact Sheets/Site Updates for this site to be helpful?

☒ Yes ☐ No

What topics would you like to see addressed in any future fact sheets?

Have you attended any of Illinois EPA's public availability sessions/informational meetings/public meetings?

☐ Yes ☒ No

If yes, were the locations for those meetings convenient for you?

☐ Yes ☐ No

Have you visited the Beloit Corporation Superfund Site Information Repository at The Talcott Free Library?

☐ Yes ☒ No

~~X~~ Yes No

☐ Newspaper Name(s): _____
☐ Radio Station(s): _____
☐ Television Station(s): _____
☒ Mailings

 Yes X No

☒ Talcott Library
☐ Rockton Township Hall
☐ In your home
☐ Other: _____

Mon / Wed / Fri

This image shows a single sheet of white paper with horizontal blue ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

Please return by June 10, 2013 in the self-enclosed envelope.

APPENDIX F - Environmental Covenant

02/07/13

51212



* 20131006292 28 *

20131006292

Filed for Record in
WINNEBAGO COUNTY, IL
NANCY McPHERSON, RECORDER

02/07/2013 03:31:46PM

ENVIRONMENT

59.75

Document No. _____

filed for Record in the

Recorder's Office of

Winnebago County, Illinois

at _____ o'clock _____ m.

Recorder

ENVIRONMENTAL
COVENANT

**This instrument was prepared by
And after recording return to:**

Johnson & Bell Ltd
33 W. Monroe St.
Suite 2700
Chicago, IL 60603

ENVIRONMENTAL COVENANT

1. This Environmental Covenant is made this 29th day of January, 201³2, by and among PPC Investment Group, LLC ("Grantor") and the ~~Holders~~ Grantees further identified in paragraph 3 below pursuant to the Uniform Environmental Covenants Act, 765 ILCS Ch. 122 ("UECA") for the purpose of subjecting the Property (as defined in paragraph 2 A below) to the activity and use limitations described herein.

2. **Property and Grantor:**

A. **Property:** The real property subject to this Environmental Covenant is located in Winnebago County, Illinois (the "Property"). The Property is currently located within the Site. The Property is legally described in **Appendix A**. The county parcel number for this Property is 03-12-452-003, bearing commonly known address of 1155 Prairie Hill Rd., Rockton, IL 61072. A map of the Property is shown in **Appendix B-1**.

B. **Grantor:** PPC Investment Group LLC ("PPC") is the current fee owner of the Property and is the "Grantor" of this Environmental Covenant. The mailing address of the Grantor is: 1155 Prairie Hill Rd., Rockton, IL 61072.

C. **Site:** The Site is the Beloit Corporation Site located in Rockton, Winnebago County, Illinois (the "Site") as defined by the NPL listing dated August 30, 1990, and the United States Environmental Protection Agency's ("U.S. EPA") Record of Decision issued on September 27, 2004. The Site is comprised of the Property, and another parcel of the Site (the "Adjacent Property") that is not owned or operated by the Grantor. The mailing address of the Adjacent Property is 1165 Prairie Hill Rd., Rockton, IL 61072.

D. **Adjacent Property:** The real property located within the Site but not within the Property and not subject to this Environmental Covenant. A map of the Adjacent Property and the Property is shown in **Appendix B-2**.

3. **Holder (and Grantee for purposes of indexing):**

A. Illinois Environmental Protection Agency ("Illinois EPA") is a Holder (and Grantee for purposes of indexing) of this Environmental Covenant pursuant to its authority under Section 3(b) of UECA. The mailing address of the Illinois EPA is 1021 N. Grand Avenue East, P.O. Box 19276, Springfield, IL 62794-9276.

B. Paperchine, Inc. is a Holder (and a Grantee for the purpose of indexing) of this Environmental Covenant pursuant to its status as a lessee of the Property which is the subject of this Environmental Covenant. The mailing address of Paperchine is 1155 Prairie Hill Rd., Rockton, IL 61072.

C. PPC Investment Group, LLC, is both Grantee and Grantor for purposes of indexing.

4. **Agencies:** Illinois EPA and U.S. EPA are "Agencies" within the meaning of Section 2(2) of UECA. The Agencies have approved the environmental response project described in paragraph 5 below and may enforce this Environmental Covenant pursuant to Section 11 of UECA.

5. **Environmental Response Project and U.S. EPA Administrative Record:**

A. This Environmental Covenant arises under an environmental response project as defined in Section 2(5) of UECA.

B. As referenced in 2.C., the Site is defined by the 1990 NPL listing and the 2004 Record of Decision, and also by the Explanation of Significant Differences memorandum issued by U.S. EPA on September 26, 2007.

C. The Site is located in Rockton Township, in north-central Illinois. The Site occupies part of the northern half of Section 13 and the southeast quadrant of Section 12, Township 46 North, Range 1 East of the Third Principal Meridian, Winnebago County, Illinois.

The Site is bounded on the north by Prairie Hill Road, on the west by the Rock River, on the south by a line projected from the Rock River along the south edge of a Village of Rockton easement and access road (for the Village water tower) to Blackhawk Boulevard, and on the east by Blackhawk Boulevard. The Site area includes the former Beloit Corporation property (now the Property and the Adjacent Property), the neighboring Blackhawk Acres subdivision, the former Soterion/United Recovery facility, a portion of the Taylor, Inc. property, and the Safe-T-Way property.

D. Subsequent to the 1990 NPL listing, the State of Illinois filed a lawsuit alleging that Beloit Corporation was liable under the Illinois Environmental Protection Act and the federal Comprehensive Environmental Response, Compensation and Liability Act (CERCLA or "Superfund"). The lawsuit was filed in the United States District Court for the Western District of Illinois Western Division Civil Action No. 91-C-20137.

In a subsequent Consent Decree by and between the Illinois EPA and Beloit Corporation dated May 8, 1991, Beloit Corporation agreed to perform a Remedial Investigation (RI) and Feasibility Study (FS) with RI/FS oversight by Illinois EPA. The Consent Decree was later amended on September 13, 1996.

The RI was completed and submitted by Beloit Corporation to the Illinois EPA in July 1999, and the FS was completed and submitted in November 2001. Later, as referenced in 5.B.,

the Illinois EPA and the USEPA issued a ROD in 2004, and an Explanation of Significant Differences memorandum in 2007 to enhance the existing ISCA pump and treat system by installing additional extraction wells. Further, as referenced in 5.I., the Illinois EPA is performing environmental response and remediation activities at the Adjacent Property.

E. As referenced in 2.C., the Site includes the former Beloit Corporation property, defined herein as the Property and the Adjacent Property. Following the filing of a voluntary petition for bankruptcy in the U.S. Bankruptcy Court for the District of Delaware on June 7, 1999, Beloit Corporation proposed to deed by option the Property and the Adjacent Property in their entirety to Giuffre II, LLC (Giuffre) pursuant to an Asset Purchase Agreement dated April 17, 2000.

F. In a subsequent Agreement by and between Giuffre and the U.S. EPA dated February 16, 2002, U.S. EPA acknowledged the transfer of title from the Beloit Corporation to Giuffre, and also approved the transfer of funds from the Beloit Corporation U.S. EPA Holdback Account to another account, the Beloit Special Account, and also created an Escrow Account. These accounts are designated for the remediation of the Site and are administered by Illinois EPA and U.S. EPA.

G. In subsequent accord with the February 16, 2002 Agreement, Giuffre deeded by a Special Warranty Deed dated March 18, 2003, a portion of the Site to PPC Investment Group, LLC. As referenced in 2.A. above, the portion deeded to PPC Investment Group, LLC is defined herein as the Property.

H. Subsequently, in accord with the February 16, 2002 Agreement, Giuffre deeded by Deed dated January 31, 2008, the remaining portion of the Site to Chemtool Inc. As referenced in 2.C. above, the portion deeded to Chemtool Inc., is defined herein as the Adjacent Property.

I. The Property is part of the Site, which is undergoing environmental response and remediation by the Illinois EPA pursuant to Section 104 of the Comprehensive Environmental Response, Compensation, and Liability Act ("CERCLA"). In a Record of Decision signed by the Region 5 Superfund Division Director of U.S. EPA on September 27, 2004, and concurred with by the Illinois EPA Director in September 2004, the Agencies approved a plan for the environmental remediation of the Adjacent Property within the Beloit Corporation Site that further provided, in part, for the placement of land use restrictions for the Site in its entirety, including for the Property. The Record of Decision requires institutional controls to prohibit the installation of potable water wells on the Site until the groundwater is restored to the more stringent of either the federal maximum contaminant levels ("MCL"s) or State of Illinois Class I groundwater standards for all contaminants of concern. This Environmental Covenant shall become incorporated within the Administrative Record.

J. Grantor wishes to cooperate fully with the Agencies in the implementation, operation, and maintenance of all response actions at the Property within the Site.

K. The Administrative Record for the environmental response project at the Site (including the Property) is maintained at the Illinois EPA Headquarters, 1021 North Grand Avenue East, P.O. Box 19276, Springfield, Illinois 62794-9276.

6. **Grant of Covenant. Covenant Runs With The Land:** Grantor creates this Environmental Covenant pursuant to UECA for the Property so that the Activity and Use Limitations and associated terms and conditions set forth herein shall "run with the land" in accordance with Section 5(a) of UECA and shall be binding on Grantor, its heirs, successors and assigns, and on all present and subsequent owners, occupants, lessees or other person acquiring an interest in the Property.

7. **Activity and Use Limitations:** The following Activity and Use Limitations apply to the use of the Property:

A. **Restricted Land Use:** All uses of the Property are prohibited except those compatible with industrial land use. Examples of land uses that are prohibited include: residential uses; and uses to house, educate or provide care for children, the elderly, the infirm, or other sensitive subpopulations.

B. **Restricted Groundwater Use:** Except as required as part of an U.S. EPA or Illinois EPA approved response activity, there shall be no construction of new or non-existing wells or consumptive use of groundwater underlying the Property.

C. **No Interference with Remedial Action:** There shall be no use of, or activity taken at the Property that may interfere with or would affect the integrity or the continuation of the Remedial Action at the Site, or the operation and maintenance of any Remedial Action component, including but not limited to the Interim Source Control Action ("ISCA") pump and treat system (which system is located on the Adjacent Property).

8. **Right of Access:** Grantor consents to officers, employees, contractors, and authorized representatives of the Holders, Illinois EPA and U.S. EPA entering and having continued access at reasonable times to the Property for the following purposes:

A. Implementing, overseeing, operating and maintaining the environmental response project at the Site described in paragraph 5 above or in the Administrative Record;

B. Monitoring and conducting periodic reviews of the environmental response project at the Site described in paragraph 5 above including without limitation, sampling of air, water, groundwater, sediments and soils;

and

C. Verifying that no action is being taken on the Property in violation of the terms of this instrument, the environmental response project at the Site described in paragraph 5 above or of any federal or state environmental laws or regulations;

Nothing in this document shall limit or otherwise affect U.S. EPA and Illinois EPA's rights of entry and access or U.S. EPA's and Illinois EPA's authority to take response actions under CERCLA, the National Contingency Plan, the Resource Conservation Recovery Act, or other federal and state law.

9. **Reserved rights of Grantor:** Grantor hereby reserves unto itself, its successors and assigns, including heirs, lessees and occupants, all rights and privileges in and to the use of the Property which are not incompatible with the activity and use limitations identified herein.

10. **No Public Access and Use:** No right of access or use by the general public to any portion of the Property is conveyed by this instrument.

11. **Future Conveyances, Notice and Reservation:**

A. Grantor agrees to include in any future instrument conveying any interest in any portion of the Property, including but not limited to deeds, leases and mortgages, a notice and reservation which is in substantially the following form:

THE INTEREST CONVEYED HEREBY IS SUBJECT TO AND GRANTOR SPECIFICALLY RESERVES THE ENVIRONMENTAL COVENANT EXECUTED UNDER THE UNIFORM ENVIRONMENTAL COVENANTS ACT (UECA) AT 765 ILCS CH. 122 RECORDED IN THE OFFICIAL PROPERTY RECORDS OF WINNEBAGO COUNTY, ILLINOIS ON _____ AS DOCUMENT NO. _____, IN FAVOR OF AND ENFORCEABLE BY GRANTOR AS A UECA HOLDER, THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY AS A UECA AGENCY AND HOLDER AND THE U.S. ENVIRONMENTAL PROTECTION AGENCY AS A UECA AGENCY.

B. Grantor agrees to provide written notice to Illinois EPA and U.S. EPA within 30 days after any conveyance of fee title to the Property or any portion of the Property. The notice shall identify the name and contact information of the new Owner, the transfer date, and the portion of the Property conveyed to that Owner.

12. **Enforcement and Compliance:**

A. **Civil Action for Injunction or Equitable Relief:** This Environmental Covenant may be enforced through a civil action for injunctive or other equitable relief for any violation of any term or condition of this Environmental Covenant, including violation of the Activity and Use Limitations under Paragraph 7 and denial of Right of Access under Paragraph 8. Such an action may be brought individually or jointly by:

- i. the Illinois Environmental Protection Agency;
- ii. the Holders of the Environmental Covenant;
- iii. U.S. Environmental Protection Agency;

B. **No Waiver of Enforcement:** All remedies available hereunder shall be in addition to any and all other remedies at law or in equity, including CERCLA. Nothing in this Environmental Covenant affects U.S. EPA or Illinois EPA's authority to take or require performance of response actions to address releases or threatened releases of hazardous substances or pollutants or contaminants at or from the Property, or to enforce a consent order, consent decree or other settlement agreement entered into by U.S. EPA or Illinois

EPA. Enforcement of the terms of this instrument shall be at the discretion of the Holders, U.S. EPA and Illinois EPA and any forbearance, delay or omission to exercise its rights under this instrument in the event of a breach of any term of this instrument shall not be deemed to be a waiver by the Holders, U.S. EPA or Illinois EPA of such term or of any subsequent breach of the same or any other term, or of any of the rights of the Holders, U.S. EPA or Illinois EPA of such term or of any subsequent breach of the same or any other term, or of any of the rights of the Holders, U.S. EPA or Illinois EPA.

C. Former Owners And Interest Holders Subject to Enforcement: An Owner, or other person that holds any right, title or interest in or to the Property remains subject to enforcement with respect to any violation of this Environmental Covenant by the Owner or other person which occurred during the time when the Owner or other person was bound by this Environmental Covenant regardless of whether the Owner or other person has subsequently conveyed the fee title, or other right, title or interest, to another person.

13. Waiver of certain defenses: This Environmental Covenant may not be extinguished, limited, or impaired through issuance of a tax deed, foreclosure of a tax lien, or application of the doctrine of adverse possession, prescription, abandonment, waiver, lack of enforcement, or acquiescence, or similar doctrine as set forth in Section 9 of UECA.

14. Representations and Warranties: Grantor hereby represents and warrants to the Illinois EPA, U.S. EPA and any other signatories to this Environmental Covenant that, at the time of execution of this Environmental Covenant, that the Grantor is lawfully seized in fee simple of the Property, that the Grantor has a good and lawful right and power to sell and convey it or any interest therein, that the Property is free and clear of encumbrances, except those noted on **Appendix D** attached hereto, and that the Grantor will forever warrant and defend the title thereto and the quiet possession thereof. After recording this instrument, Grantor will provide a copy of this Environmental Covenant to all holders of record of the encumbrances including those entities noted on **Appendix D**.

15. Amendment or Termination: Except the Illinois EPA and U.S. EPA, all Holders and other signers waive the right to consent to an amendment or termination of the Environmental Covenant. This Environmental Covenant may be amended or terminated by consent only if the amendment or termination is signed by the Illinois EPA, U.S. EPA and the current owner of the fee simple of the Property, unless waived by the Agencies. If Grantor no longer owns the Property at the time of proposed amendment or termination, Grantor waives the right to consent to an amendment or termination of the Environmental Covenant.

16. Notices: Any notice, demand, request, consent, approval, or communication that either party desires or is required to give to the other shall be in writing and shall either be served personally or sent by first class mail, postage prepaid, addressed as follows:

To Grantor: PPC Investment Group, LLC
1155 Prairie Hill Rd
Rockton, IL 61071

To Holder: Paperchine, Inc.
1155 Prairie Hill Rd.
Rockton, IL 61071

To Agencies:
U.S. Environmental Protection Agency
Superfund Division Director
77 West Jackson Boulevard
Chicago, IL 60604

Illinois Environmental Protection Agency
Chief, Bureau of Land
1021 N. Grand Avenue East
P.O. Box 19276
Springfield, IL 62794-9276

17. Recording and Notice of Environmental Covenant, Amendments and Termination:

A. The Original Environmental Covenant: An Environmental Covenant must be recorded in the Office of the Recorder or Registrar of Titles of the county in which the property that is the subject of the Environmental Covenant is located. Within 30 days after the Illinois EPA and U.S. EPA (whichever is later) sign and deliver to Grantor this Environmental Covenant, the Grantor shall record or cause to be recorded this Environmental Covenant in the office of the County Recorder or Registrar of Titles for the County in which the Property is located.

B. Termination, Amendment or Modification: Within 30 days after Illinois EPA and U.S. EPA (whichever is later) sign and deliver to Grantor any termination, amendment or modification of this Environmental Covenant, the Grantor shall record the amendment, modification, or notice of termination of this Environmental Covenant in the office of the County Recorder or Registrar of Titles in which the Property is located.

C. Providing Notice of Covenant, Termination, Amendment or Modification: Within 30 days after recording this Environmental Covenant, the Grantor shall transmit a copy of the Environmental Covenant in recorded form to:

- i. Illinois EPA;
- ii. U.S. EPA;
- iii. the Holders;
- iv. each person holding a recorded interest in the Property, including those interests in Appendix D;
- v. each person in possession of the Property; and
- vi. each political subdivision in which the Property is located.

Within 30 days after recording a termination, amendment or modification of this Environmental Covenant, the Grantor shall transmit a copy of the document in recorded form to the persons listed in items i to vi. above.

18. **Compliance Reporting:** The Grantor and, if required, the Holder Paperchine, shall submit to U.S. EPA on an annual basis a written report confirming compliance with the Activity and Use Limitations provided in Paragraph 7. Reports shall be submitted on the first July 1 that occurs at least six months after the effective date of this Environmental Covenant, and on each succeeding July 1 thereafter. The Grantor and Holder Paperchine shall notify Illinois EPA as soon as possible of any actions or conditions that would constitute a breach of the Activity and Use Limitations in Paragraph 7.

19. **General Provisions:**

A. **Controlling law:** This Environmental Covenant shall be construed according to and governed by the laws of the State of Illinois and the United States of America.

B. **Liberal construction:** Any general rule of construction to the contrary notwithstanding, this instrument shall be liberally construed in favor of the Grantor to effect the purpose of this instrument and the policy and purpose of the environmental response project and its authorizing legislation. If any provision of this instrument is found to be ambiguous, an interpretation consistent with the purpose of this instrument that would render the provision valid shall be favored over any interpretation that would render it invalid.

C. **No Forfeiture:** Nothing contained herein will result in a forfeiture or reversion of Grantor's title in any respect.

D. **Joint Obligation:** If there are two or more parties identified as Grantor herein, the obligations imposed by this instrument upon them shall be joint and several.

E. **Captions:** The captions in this instrument have been inserted solely for convenience of reference and are not a part of this instrument and shall have no effect upon construction or interpretation.

20. **Effective Date:** This Environmental Covenant is effective on the date of acknowledgement of the signature of the Illinois EPA and U.S. EPA, whichever is later.

21. **List of Appendices:**

- Appendix A Legal Description of the Property
- Appendix B Maps of the Property and Adjacent Property
- Appendix C Title Commitment
- Appendix D Encumbrances

[Signature Pages to Follow]

THE UNDERSIGNED REPRESENTATIVE OF THE GRANTOR REPRESENTS AND CERTIFIES THAT HE/SHE IS AUTHORIZED TO EXECUTE THIS ENVIRONMENTAL COVENANT.

IN WITNESS WHEREOF, THIS INSTRUMENT HAS BEEN EXECUTED ON THE DATES INDICATED BELOW:

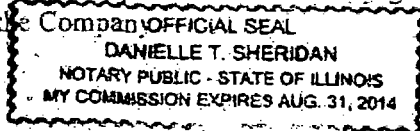
FOR THE GRANTOR:

PPC INVESTMENT GROUP, LLC.

By Dennis Hays (signature)
[Name of signer] Dennis HAYS (print)
[Title] Shareholder (print)

State of Illinois)
) SS.
County of Winnebago

On Dec. 13, 2012, this instrument was acknowledged before me by, Dennis HAYS Shareholder of PPC Investment Group, LLC., an Illinois limited liability company, pursuant to authority granted to said Shareholder by the Operating Agreement of the Company.



Danielle T. Sheridan
(signature)

8/31/2014 Notary Public
My Commission Expires

THE UNDERSIGNED REPRESENTATIVE OF THE HOLDER REPRESENTS AND CERTIFIES THAT HE/SHE IS AUTHORIZED TO EXECUTE THIS ENVIRONMENTAL COVENANT.

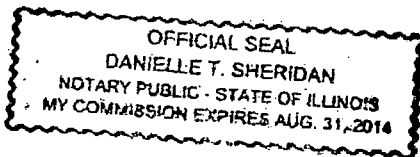
IN WITNESS WHEREOF, THIS INSTRUMENT HAS BEEN EXECUTED ON THE DATES INDICATED BELOW:

FOR THE HOLDER: Paperchine, Inc.

By *Laurie Wicks* (signature)
 [Name of signer] LAURIE WICKS (print)
 [Title] President (print)

State of Illinois)
) SS.
 County of Winnebago

On the 13th day of December, 2012, this instrument was acknowledged before me by LAURIE WICKS, President of Paperchine, Inc., pursuant to authority granted said individual by the Board of Directors and the bylaws of said corporation.



Danielle T. Sheridan
 (signature)

 Notary Public
 My Commissioner Expires 8/31/2014

FOR THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

By [Signature] (signature)

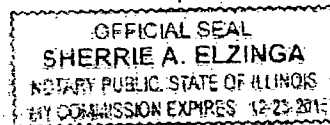
John J. Kim, Interim Director
Illinois Environmental Protection Agency

State of Illinois)
) SS.
County of)

This instrument was acknowledged before me on January 29, 2013, by
JOHN J. KIM, the Interim Director of the Illinois Environmental Protection
Agency, a state agency, on behalf of the State of Illinois.

[Signature] (signature)
Notary Public

My Commission Expires 12/23/2015



FOR THE UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

On behalf of the Administrator of the
United States Environmental Protection Agency

By: Richard C. Karl
Richard C. Karl, Director
Superfund Division
U.S. Environmental Protection Agency, Region 5



STATE OF ILLINOIS)
) SS.
COUNTY OF COOK)

The foregoing instrument was acknowledged before me this 17th day of
JANUARY, 2012, by Richard C. Karl, Director, Superfund Division, Region 5 of the United
States Environmental Protection Agency.

Bertanna M. Louie (signature)
Notary Public

My Commission Expires March 15, 2014

Appendix A Legal Description of the Property

Part of the fractional Southeast Quarter (1/4) of Section 12, Township 46 North, Range 1 East of the Third Principal Meridian, Rockton Township, Winnebago County, Illinois, described as follows: Commencing at the Southeast corner of Section 12, aforesaid; thence South 89 degrees 38' 03" West 1145.54 feet along the South line of the said fractional Southeast Quarter (1/4); thence North 00 degrees 21' 57" West 144.79 feet to the place of beginning; thence North 65 degrees 01' 20" West 400.13 feet; thence South 28 degrees 12' 51" West 301.64 feet; thence North 62 degrees 02' 18" West 211.06 feet; thence North 27 degrees 56' 54" East 315.26 feet; thence North 61 degrees 56' 44" West 70.92 feet; thence North 74 degrees 46' 29" West 97.91 feet; thence North 52 degrees 25' 43" East 106.60 feet; thence North 17 degrees 37' 17" West 35.19 feet; thence North 52 degrees 33' 20" East 168.40 feet; thence North 34 degrees 17' 25" East 42.30 feet; thence North 72 degrees 59' 16" East 309.89 feet; thence North 00 degrees 01' 01" East 149.82 feet; thence South 64 degrees 00' 28" West 185.29 feet; thence North 48 degrees 30' 06" West 159.32 feet to a rebar Meander Corner (M.C. 1) set this survey; thence continuing North 48 degrees 30' 06" West 72 feet, more or less, to the Southeasterly shore line of the Rock River; thence upstream and Northeasterly 1029 feet, more or less, along the shore line of the Rock River to the Southwesterly right of way of Prairie Hill Road; thence South 48 degrees 35' 14" East along the right of way, aforesaid, 21 feet, more or less, to a rebar Meander corner (M.C. 2) set this survey; said M.C. 2 being located from M.C. 1 as follows: Commencing at M.C. 1 thence North 55 degrees 41' 53" East 1014.86 feet to M.C. 2; thence continuing South 48 degrees 35' 14" East along the right of way, aforesaid, 238.00 feet; thence South 05 degrees 29' 49" West 278.70 feet; thence South 28 degrees 30' 04" West 1112.37 feet to the place of beginning,

TOGETHER WITH a joint ingress/egress easement described as follows:

Commencing at the Southeast corner of Section 12, aforesaid; thence South 89 degrees 38' 03" West 1145.54 feet along the South line of the said fractional Southeast Quarter (1/4); thence North 00 degrees 21' 57" West 144.79 feet to the place of beginning; thence North 28 degrees 30' 04" East 1112.37 feet; thence North 05 degrees 29' 49" East 278.70 feet; thence South 48 degrees 35' 14" East along the Southwesterly right of way of Prairie Hill Road 61.74 feet; thence South 05 degrees 29' 49" West 196.36 feet; thence South 28 degrees 30' 04" West 1172.64 feet; thence North 65 degrees 01' 20" West 28.05 feet to the place of beginning, situated in the County of Winnebago and State of Illinois.

Common address: 1155 Prairie Hill Rd., Rockton IL
PIN:

03-12-452-003 ✓

APPENDIX B MAPS OF PROPERTY AND ADJACENT PROPERTY



General Parcel Information

Parcel Number 03-12-452-003 **Alternate Parcel Number**

Legal Description

COMM 1145.54 FT W SE COR SEC N 144.79 FT TO POB NW 400.13 FT SW 301.64 FT NW 211.06 FT NE 315.26 FT NW 70.92 FT NW 97.91 FT NE 106.6 FT NW 35.19 FT NE 168.4 FT NE 42.3 FT NE 309.89 FT N 149.82 FT SW 185.29 FT NW 159.32 FT NW 72 FT NE 1029 FT SE 21 FT SE 238 FT SELY 278.7 FT TH SW 1112.37 FT TO POB PT SE1/4 SEC 12-46-1 21.8A(c)

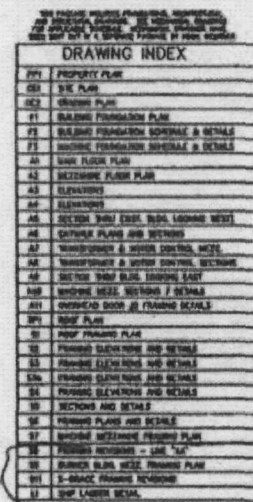
Address

1155 PRAIRIE HILL RD
IL

Property Use

Ind Land + Improve (0081)

Recorder's Memo:
Poor Record is Due To
Quality of Original Document



PROPERTY PLAN

SCALE: 1" = 100'-0"

112 93110-00

X
SEAL

1 11/9/96 UPDATED TRAINING AGO

PROPERTY PLAN

TISSUE PILOT ADDITION
BELOTT CORPORATION
ROCKTON, ILLINOIS


ARCHITECTURE NORTH, LTD.
 ARCHITECTS ENGINEERS PLANNERS
 1100 UNIVERSITY DRIVE, TORONTO, ONTARIO M5G 1S8, CANADA

APPENDIX C – Title Commitment

02/19/83 12:23 Title Underwriters Agency P.02/08

SECURITY UNION TITLE INSURANCE COMPANY
COMMITMENT FOR TITLE INSURANCE

SCHEDULE A

Prepared For: ATTY. GORDON BARRINGTON

1. Effective Date: October 2, 2002
at 8:00 a.m.

Address Given:
Prairie Hill Road
Rockton, IL 61072

2. Policy or Policies to be issued: Our No. 78723

☒ ALTA Owner's Policy Amount \$ 600,000.00
Proposed Insured:

PPC INVESTMENT GROUP, L.L.C.

☒ ALTA Loan Policy Amount \$
Proposed Insured: OF LOAN

MORTGAGEE TO BE NAMED:

☐ Amount \$
Proposed Insured:

3. The estate or interest in the land described or referred to in this Commitment and covered herein is:

Fee simple

4. Title to the fee simple estate or interest in said land is at the effective date hereof vested in:

GIUFFRE II, L.L.C., A WISCONSIN LIMITED LIABILITY COMPANY

5. The Land referred to in the Commitment is in the State of Illinois, County of Winnebago, and is described as follows:

Part of the fractional Southeast Quarter (1/4) of Section 12, Township 46 North, Range 1 East of the Third Principal Meridian, Rockton Township, Winnebago County, Illinois, described as follows: Commencing at the Southeast corner of Section 12, aforesaid; thence South 89 degrees 38' 03" West 1145.54 feet along the South line of the said fractional Southeast Quarter (1/4); thence North 00 degrees 21' 57"

SCHEDULE A
ALTA Commitment-1966

02/19/13 12:24 Title Underwriters Agency P.03/08

SCHEDULE A CONTINUED
Our No. 78723

West 144.79 feet to the place of beginning; thence North 65 degrees 01' 20" West 400.13 feet; thence South 28 degrees 12' 51" West 301.64 feet; thence North 62 degrees 02' 18" West 211.06 feet; thence North 27 degrees 56' 54" East 315.26 feet; thence North 61 degrees 56' 44" West 70.92 feet; thence North 74 degrees 46' 23" West 97.91 feet; thence North 52 degrees 25' 43" East 106.60 feet; thence North 17 degrees 37' 17" West 35.19 feet; thence North 52 degrees 33' 20" East 168.40 feet; thence North 34 degrees 17' 25" East 42.30 feet; thence North 72 degrees 59' 16" East 309.89 feet; thence North 09 degrees 01' 01" East 149.82 feet; thence South 64 degrees 00' 28" West 185.29 feet; thence North 48 degrees 30' 06" West 159.32 feet to a rebar Meander Corner (M.C. 1) set this survey; thence continuing North 48 degrees 30' 06" West 72 feet, more or less, to the Southeastly shore line of the Rock River; thence upstream and Northwesterly 1029 feet, more or less, along the shore line of the Rock River to the Southwesterly right of way of Prairie Hill Road; thence South 48 degrees 35' 14" East along the right of way, aforesaid, 21 feet, more or less, to a rebar Meander corner (M.C. 2) set this survey; said M.C. 2 being located from M.C. 1 as follows: Commencing at M.C. 1 thence North 55 degrees 41' 53" East 1014.86 feet to M.C. 2; thence continuing South 48 degrees 35' 14" East along the right of way, aforesaid, 238.00 feet; thence South 05 degrees 29' 49" West 278.70 feet; thence South 28 degrees 30' 04" West 1112.37 feet to the place of beginning, TOGETHER WITH a joint ingress/egress easement described as follows: Commencing at the Southeast corner of Section 12, aforesaid; thence South 89 degrees 38' 03" West 1145.54 feet along the South line of the said fractional Southeast Quarter (1/4); thence North 00 degrees 21' 57" West 144.79 feet to the place of beginning; thence North 28 degrees 30' 04" East 1112.37 feet; thence North 05 degrees 29' 49" East 278.70 feet; thence South 48 degrees 35' 14" East along the Southwesterly right of way of Prairie Hill Road 61.74 feet; thence South 05 degrees 29' 49" West 196.36 feet; thence South 28 degrees 30' 04" West 1172.64 feet; thence North 65 degrees 01' 20" West 28.05 feet to the place of beginning, situated in the County of Winnebago and State of Illinois.

02/19/13 12:25 Title Underwriters Agency P.04/08

COMMITMENT FOR TITLE INSURANCE NO. 78723

SCHEDULE B -SECTION 1

REQUIREMENTS

The following are the requirements to be complied with:

1. Payment to or for the account of the persons entitled thereto of the full consideration for the estate or interest and mortgage thereon covered by said policy or policies of title insurance.
2. Instruments in insurable form which must be executed, delivered and duly filed for record:

- a. Warranty Deed from GIOFFRE II, L.L.C., A WISCONSIN LIMITED LIABILITY COMPANY conveying fee simple title to PPC INVESTMENT GROUP, L.L.C.

NOTE: Plat Act Affidavit must accompany deed for recording.

- b. Mortgage from PPC INVESTMENT GROUP, L.L.C. to MORTGAGEE TO BE NAMED to secure AMOUNT OF LOAN.

- c. Presentation of proof that PPC Investment Group, L.L.C. has properly filed its Articles of Organization with the Illinois Secretary of State.

- d. Presentation of a copy of the Articles of Organization from PPC Investment Group, L.L.C., together with any amendments thereto.

- e. Presentation of a copy of the Operating Agreement for PPC Investment Group, L.L.C., if any, together with any amendments thereto.

- f. Presentation of a list of incumbent managers or of incumbent members if managers for PPC Investment Group, L.L.C. have not been appointed.

02/19/13 12:26 Title Underwriters Agency P.05/08

SCHEDULE B - SECTION 1 CONTINUED
Our No. 78723

- g. Certification that no event of dissolution has occurred for PPC Investment Group, L.L.C.
- h. Presentation of any changes or amendments, if any, of the Operating Agreement and Articles of Organization for Giuffre, II, L.L.C., a Wisconsin Limited Liability Company since May, 2002.
- i. Certification that no event of dissolution has occurred for Giuffre, II, L.L.C., a Wisconsin Limited Liability Company.

NOTE:

In the event of a sale of all or substantially all of the assets of the L.L.C. or of a sale of L.L.C. assets to member or manager, we should be furnished a copy of a resolution authorizing the transaction adopted by the members of L.L.C.

- j. Redemption of the forfeited real estate taxes.

NOTE: According to the Winnebago County Clerk, the 2000 and 2001 taxes have been redeemed; however, there is a remaining balance which is interest from 1998 and 1999.

- k. Payment and PARTIAL Release of Real Estate Mortgage from Giuffre II, L.L.C. to Lincoln State Bank dated June 6, 2002 and recorded June 17, 2002 as Document No. 0243153 to secure \$3,000,000.00.

02/19/83 12:26 Title Underwriters Agency P. 06/08

SCHEDULE B - SECTION 1 CONTINUED
Our No. 78723

NOTE: Your attention is directed to the provisions of the Tax Reform Act of 1986 which require the reporting of real estate transactions to the Internal Revenue Service. All real estate transactions (except for refinances) closed after January 1, 1987 must be reported on a Form 1099-S which must be completed in full at the time of closing.

NOTE: Mortgage policies insuring one to four family properties, will contain our Environmental Protection Lien, ALTA Endorsement-Form 8.1.

3. Pay all taxes, charges and assessments levied against subject premises which are due and payable.
4. Any ALTA Loan Policy issued pursuant hereto will contain under Schedule B the following Exceptions (a) and (b) in the absence of the production of the data and other essential matters required in our ALTA form:
 - (a) Any lien or right to a lien, imposed by law for services, labor or material, heretofore or hereafter furnished, except for any such lien the assertion of which by a claimant is shown by the public records at Date of Policy.
 - (b) Any lack of priority of the lien of the insured mortgage over any lien or encumbrance because, and to the extent that, the proceeds of the loan secured thereby may not have been fully disbursed at Date of Policy.

02/19/13 12:27 Title Underwriters Agency P.07/08

COMMITMENT FOR TITLE INSURANCE NO. 78723

SCHEDULE B-SECTION 2

Schedule B of the policy or policies to be issued will contain exception to the following matters unless the same are disposed of to the satisfaction of the Company (all clauses, if any, which indicate any preference, limitation or discrimination based on race, color, religion or national origin are omitted from all building and use restrictions, covenants and conditions, if any, shown herein):

A. Defects, liens, encumbrances, adverse claims or other matters, if any, created, first appearing in the public records, or attaching subsequent to the effective date hereof but prior to the date the proposed insured acquires of record for the value the estate or interest or mortgage thereon covered by this Commitment.

B. STANDARD EXCEPTIONS:

1. Rights or claims of parties in possession not shown by the public records.
2. Encroachments, overlaps, boundary line disputes, or other matters which would be disclosed by an accurate survey and inspection of the premises.
3. Easements, or claims of easements, not shown by the public records.
4. Taxes or special assessments which are not shown as existing liens by the public records.
5. Any lien, or right to a lien, for services, labor or material heretofore or hereafter furnished, imposed by law and not shown by the public records.

C. SPECIAL EXCEPTIONS:

1. Taxes for the year 2002 and subsequent years.

P.I.N. Number: Part of 03-12-452-001

Property Code: Part of 048 753 (2001 \$58,905.92)
 Lot Dimensions 21.76 acres
 Township Rockton

2. Easement to South Beloit Water, Gas & Electric as contained in instrument recorded in Book 1190 on Page 147; ASSIGNMENT of easement as contained in instrument recorded as Document No. 0106439.
3. Easement and Severance Agreement as contained in instrument recorded on Microfilm No. 8623-2567; Lessee Bill of Sale as contained in instrument recorded on Microfilm No. 0624-1592; Easement and Service Agreement as contained in instrument recorded on Microfilm No. 8635-1751; Lessee Bill of

SCHEDULE B-PART 2
 ALTA Commitment-1966

02/19/13 12:28 Title Underwriters Agency P.08/08

SCHEDULE B - SECTION 2 CONTINUED

Our No. 78723

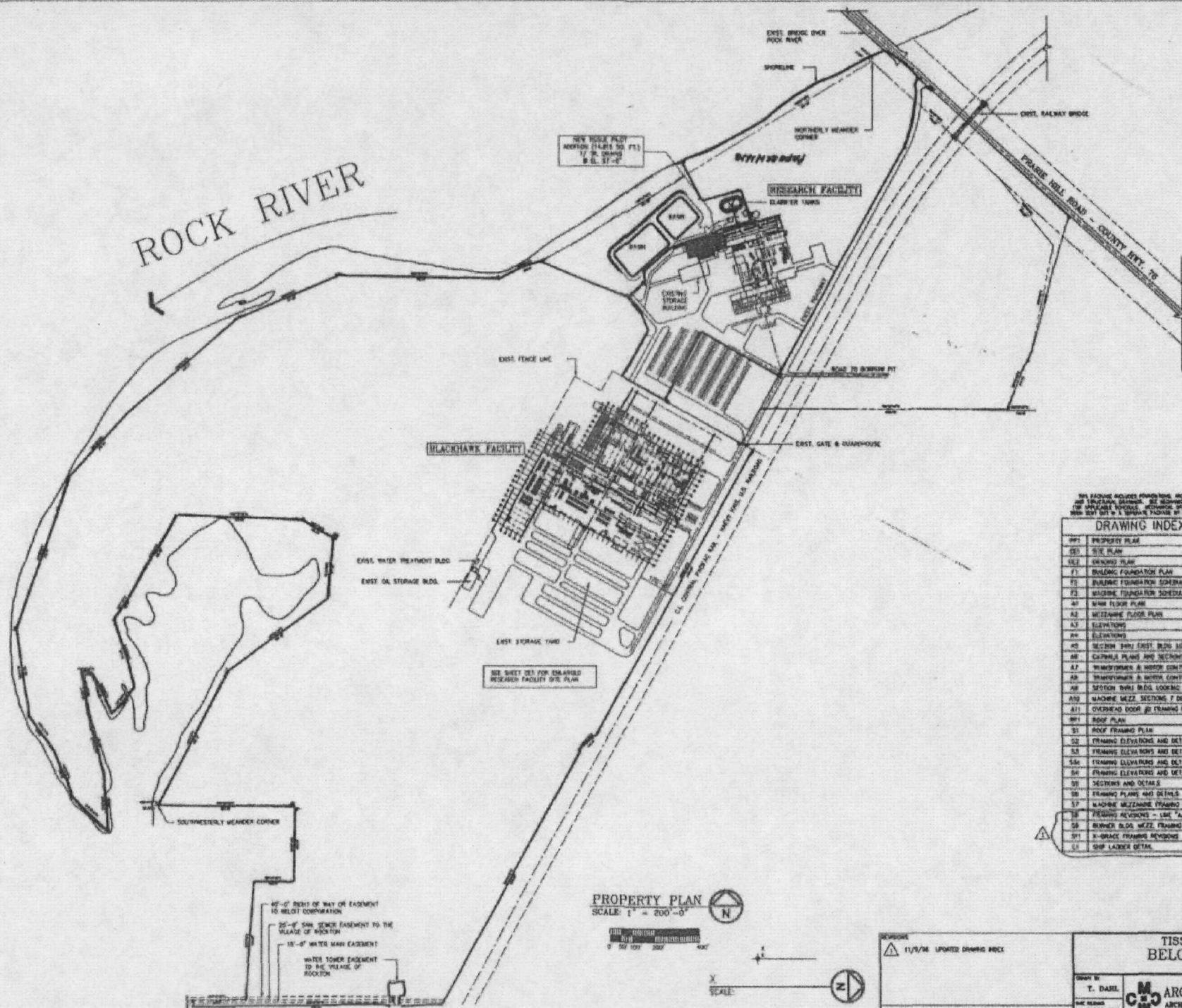
- Sale as contained in instrument recorded on Microfilm No. 8636-2127.
4. Ordinance as contained in instrument recorded as Document No. 9516222.
5. Agreement dated January 28, 2002 and recorded February 7, 2002 as Document No. 0211522.
6. Rights of the United States of America, State of Illinois, the municipality and the public in and to that part of the land lying within the bed of the Rock River; and the rights of other owners of land bordering on the river in respect to the unobstructed flow of said river.

cc: Paparchine
Attn: Dennis Hayes

APPENDIX D – ENCUMBRANCES

1. Lease by and between Grantor and Holder Paperchine.
2. Mortgage by and between Grantor and James Ewald, Laurie Wicks, and Daniel Morris.

162/67/13 61238



THIS DRAWING INCLUDES FOUNDATION, STRUCTURAL, MECHANICAL, ELECTRICAL, PLUMBING, AND SANITARY. IT IS THE RESPONSIBILITY OF THE CLIENT TO OBTAIN ALL NECESSARY PERMITS AND TO PROVIDE ALL NECESSARY INFORMATION TO THE ARCHITECT.

DRAWING INDEX

001	PROPERTY PLAN
002	SITE PLAN
003	GRADING PLAN
004	BUILDING FOUNDATION PLAN
005	BUILDING FOUNDATION SCHEDULE & DETAILS
006	MECHANICAL FOUNDATION SCHEDULE & DETAILS
007	MAIN FLOOR PLAN
008	MESSENGER FLOOR PLAN
009	ELEVATIONS
010	ELEVATIONS
011	SECTION THREE (EXIST. BLDG. LOOKING WEST)
012	CUTAWAY PLANS AND SECTIONS
013	TRANSFORMER & MOTOR CONTROL, WEST
014	TRANSFORMER & MOTOR CONTROL, WESTERN
015	SECTION THREE (BLDG. LOOKING EAST)
016	MECHANICAL SECTIONS 7 DETAILS
017	CUTAWAY DOOR 20 FRAMING DETAILS
018	ROOF PLAN
019	ROOF FRAMING PLAN
020	FRAMING ELEVATIONS AND DETAILS
021	FRAMING ELEVATIONS AND DETAILS
022	FRAMING ELEVATIONS AND DETAILS
023	FRAMING ELEVATIONS AND DETAILS
024	SECTIONS AND DETAILS
025	FRAMING PLANS AND DETAILS
026	MECHANICAL SECTIONS 7 DETAILS
027	FRAMING REVISIONS - SEE "A"
028	BURNER BLDG. MEZZ. FRAMING PLAN
029	X-BRACE FRAMING REVISIONS
030	SHIP LADDER DETAIL

PROPERTY PLAN

SCALE: 1" = 200'-0"

0 50 100 200 400



SCALE

REVISIONS

11/9/96 UPDATED DRAWING INDEX

PROPERTY PLAN

TISSUE PILOT ADDITION
BELOIT CORPORATION
ROCKTON, ILLINOIS

Drawn by
T. DASEL
Date
8/27/96

ARCHITECTURE NORTH, LTD.
ARCHITECTS ENGINEERS PLANNERS
1110 JENNIFER DRIVE, ROCKTON, ILLINOIS 61072-2000

APPENDIX G - 2013 Residential Groundwater Results



Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name: **ROCKTON VILLAGE OF**

Project/Facility Number: 2010355004 Date Received : 06/27/13

Funding Code: BE04 Visit Number:

Trip ID: Temperature C: 17.00

Client Sample ID: **G269** Lab Sample ID: **SF31662-01**

Matrix: Drinking Water Collected By: MH Date/Time Collected: 06/26/13 9:20

Sample Type: Sample Depth: Total Depth: 0

Volatile Organic Compounds by GC/MS

Method: 524.2 Prepared: 06/28/13 10:10

Units: ug/L Analyzed: 06/28/13 12:49

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Vinyl chloride	ND	Y	0.50	2
1,1-Dichloroethene	ND	Y	0.50	7
Methylene chloride	ND	Y	0.50	5
trans-1,2-Dichloroethene	ND	Y	0.50	100
Methyl tert-butyl ether	ND	Y	0.50	
cis-1,2-Dichloroethene	ND	Y	0.50	70
1,2-Dichloroethane	ND	Y	0.50	5
1,1,1-Trichloroethane	ND	Y	0.50	200
Carbon tetrachloride	ND	Y	0.50	5
Benzene	ND	Y	0.50	5
1,2-Dichloropropane	ND	Y	0.50	5
Trichloroethene	ND	Y	0.50	5
1,1,2-Trichloroethane	ND	Y	0.50	5
Toluene	ND	Y	0.50	1000
Tetrachloroethene	ND	Y	0.50	5
Chlorobenzene	ND	Y	0.50	100
Ethylbenzene	ND	Y	0.50	700
Styrene	ND	Y	0.50	100
1,4-Dichlorobenzene	ND	Y	0.50	75
1,2-Dichlorobenzene	ND	Y	0.50	600
1,2,4-Trichlorobenzene	ND	Y	0.50	70
Xylenes, total	ND	Y	0.50	10000

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Test results meet all requirements of NELAC (accredited by Florida DOH #E37645). If you have any questions about this report, please contact Celeste Crowley, Acting Laboratory Manager, at 217.782.9780.

Reported:
07/03/13 12:16
Page 1 of 27



Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name: **ROCKTON VILLAGE OF**

Project/Facility Number: 2010355004

Date Received: 06/27/13

Funding Code: BE04

Visit Number:

Trip ID:

Temperature C: 17.00

Client Sample ID: **G229**

Lab Sample ID: **SF31662-02**

Matrix: Drinking Water

Collected By: MH

Date/Time Collected: 06/26/13 9:50

Sample Type:

Sample Depth:

Total Depth: 0

Volatile Organic Compounds by GC/MS

Method: 524.2

Prepared: 06/28/13 10:10

Units: ug/L

Analyzed: 06/28/13 13:25

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Vinyl chloride	ND	Y	0.50	2
1,1-Dichloroethene	ND	Y	0.50	7
Methylene chloride	ND	Y	0.50	5
trans-1,2-Dichloroethene	ND	Y	0.50	100
Methyl tert-butyl ether	ND	Y	0.50	
cis-1,2-Dichloroethene	ND	Y	0.50	70
1,2-Dichloroethane	ND	Y	0.50	5
1,1,1-Trichloroethane	ND	Y	0.50	200
Carbon tetrachloride	ND	Y	0.50	5
Benzene	ND	Y	0.50	5
1,2-Dichloropropane	ND	Y	0.50	5
Trichloroethene	ND	Y	0.50	5
1,1,2-Trichloroethane	ND	Y	0.50	5
Toluene	ND	Y	0.50	1000
Tetrachloroethene	ND	Y	0.50	5
Chlorobenzene	ND	Y	0.50	100
Ethylbenzene	ND	Y	0.50	700
Styrene	ND	Y	0.50	100
1,4-Dichlorobenzene	ND	Y	0.50	75
1,2-Dichlorobenzene	ND	Y	0.50	600
1,2,4-Trichlorobenzene	ND	Y	0.50	70
Xylenes, total	ND	Y	0.50	10000

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Test results meet all requirements of NELAP (accredited by Florida DOH #E37645). If you have any questions about this report, please contact Celeste Crowley, Acting Laboratory Manager, at 217.782.9780.

Reported:

07/03/13 12:16

Page 2 of 27



Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name: **ROCKTON VILLAGE OF**

Project/Facility Number: 2010355004 Date Received: 06/27/13

Funding Code: BE04 Visit Number:

Trip ID: Temperature C: 17.00

Client Sample ID: **G231** Lab Sample ID: **SF31662-03**

Matrix: Drinking Water Collected By: MH Date/Time Collected: 06/26/13 10:10

Sample Type: Sample Depth: Total Depth: 0

Volatile Organic Compounds by GC/MS

Method: 524.2 Prepared: 06/28/13 10:10

Units: ug/L Analyzed: 06/28/13 14:01

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Vinyl chloride	ND	Y	0.50	2
1,1-Dichloroethene	ND	Y	0.50	7
Methylene chloride	ND	Y	0.50	5
trans-1,2-Dichloroethene	ND	Y	0.50	100
Methyl tert-butyl ether	ND	Y	0.50	
cis-1,2-Dichloroethene	ND	Y	0.50	70
1,2-Dichloroethane	ND	Y	0.50	5
1,1,1-Trichloroethane	ND	Y	0.50	200
Carbon tetrachloride	ND	Y	0.50	5
Benzene	ND	Y	0.50	5
1,2-Dichloropropane	ND	Y	0.50	5
Trichloroethene	ND	Y	0.50	5
1,1,2-Trichloroethane	ND	Y	0.50	5
Toluene	ND	Y	0.50	1000
Tetrachloroethene	ND	Y	0.50	5
Chlorobenzene	ND	Y	0.50	100
Ethylbenzene	ND	Y	0.50	700
Styrene	ND	Y	0.50	100
1,4-Dichlorobenzene	ND	Y	0.50	75
1,2-Dichlorobenzene	ND	Y	0.50	600
1,2,4-Trichlorobenzene	ND	Y	0.50	70
Xylenes, total	ND	Y	0.50	10000

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Test results meet all requirements of NELAP (accredited by Florida DOH #E37645). If you have any questions about this report, please contact Celeste Crowley, Acting Laboratory Manager, at 217.782.9780

Reported:
07/03/13 12:16
Page 3 of 27



Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name: **ROCKTON VILLAGE OF**

Project/Facility Number: 2010355004 Date Received: 06/27/13

Funding Code: BE04 Visit Number:

Trip ID: Temperature C: 17.00

Client Sample ID: **G222** Lab Sample ID: **SF31662-04**

Matrix: Drinking Water Collected By: MH Date/Time Collected: 06/26/13 10:50

Sample Type: Sample Depth: Total Depth: 0

Volatile Organic Compounds by GC/MS

Method: 524.2 Prepared: 06/28/13 10:10

Units: ug/L Analyzed: 06/28/13 14:38

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Vinyl chloride	ND	Y	0.50	2
1,1-Dichloroethene	ND	Y	0.50	7
Methylene chloride	ND	Y	0.50	5
trans-1,2-Dichloroethene	ND	Y	0.50	100
Methyl tert-butyl ether	ND	Y	0.50	
cis-1,2-Dichloroethene	ND	Y	0.50	70
1,2-Dichloroethane	ND	Y	0.50	5
1,1,1-Trichloroethane	ND	Y	0.50	200
Carbon tetrachloride	ND	Y	0.50	5
Benzene	ND	Y	0.50	5
1,2-Dichloropropane	ND	Y	0.50	5
Trichloroethene	ND	Y	0.50	5
1,1,2-Trichloroethane	ND	Y	0.50	5
Toluene	ND	Y	0.50	1000
Tetrachloroethene	ND	Y	0.50	5
Chlorobenzene	ND	Y	0.50	100
Ethylbenzene	ND	Y	0.50	700
Styrene	ND	Y	0.50	100
1,4-Dichlorobenzene	ND	Y	0.50	75
1,2-Dichlorobenzene	ND	Y	0.50	600
1,2,4-Trichlorobenzene	ND	Y	0.50	70
Xylenes, total	ND	Y	0.50	10000

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Reported:
07/03/13 12:16
Page 4 of 27



Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name: **ROCKTON VILLAGE OF**

Project/Facility Number: 2010355004 Date Received: 06/27/13

Funding Code: BE04 Visit Number:

Trip ID: Temperature C: 17.00

Client Sample ID: **G233** Lab Sample ID: **SF31662-05**

Matrix: Drinking Water Collected By: MH Date/Time Collected: 06/26/13 11:30

Sample Type: Sample Depth: Total Depth: 0

Volatile Organic Compounds by GC/MS

Method: 524.2 Prepared: 06/28/13 10:10

Units: ug/L Analyzed: 06/28/13 15:14

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Vinyl chloride	ND	Y	0.50	2
1,1-Dichloroethene	ND	Y	0.50	7
Methylene chloride	ND	Y	0.50	5
trans-1,2-Dichloroethene	ND	Y	0.50	100
Methyl tert-butyl ether	ND	Y	0.50	
cis-1,2-Dichloroethene	ND	Y	0.50	70
1,2-Dichloroethane	ND	Y	0.50	5
1,1,1-Trichloroethane	ND	Y	0.50	200
Carbon tetrachloride	ND	Y	0.50	5
Benzene	ND	Y	0.50	5
1,2-Dichloropropane	ND	Y	0.50	5
Trichloroethene	ND	Y	0.50	5
1,1,2-Trichloroethane	ND	Y	0.50	5
Toluene	ND	Y	0.50	1000
Tetrachloroethene	ND	Y	0.50	5
Chlorobenzene	ND	Y	0.50	100
Ethylbenzene	ND	Y	0.50	700
Styrene	ND	Y	0.50	100
1,4-Dichlorobenzene	ND	Y	0.50	75
1,2-Dichlorobenzene	ND	Y	0.50	600
1,2,4-Trichlorobenzene	ND	Y	0.50	70
Xylenes, total	ND	Y	0.50	10000

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Reported:
07/03/13 12:16
Page 5 of 27



Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name: **ROCKTON VILLAGE OF**

Project/Facility Number: 2010355004 Date Received: 06/27/13

Funding Code: BE04 Visit Number:

Trip ID: Temperature C: 17.00

Client Sample ID: **G010** Lab Sample ID: **SF31662-06**

Matrix: Drinking Water Collected By: MH Date/Time Collected: 06/26/13 11:40

Sample Type: Sample Depth: Total Depth: 0

Volatile Organic Compounds by GC/MS

Method: 524.2 Prepared: 06/28/13 10:10

Units: ug/L Analyzed: 06/28/13 15:51

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Vinyl chloride	ND	Y	0.50	2
1,1-Dichloroethene	ND	Y	0.50	7
Methylene chloride	ND	Y	0.50	5
trans-1,2-Dichloroethene	ND	Y	0.50	100
Methyl tert-butyl ether	ND	Y	0.50	
cis-1,2-Dichloroethene	ND	Y	0.50	70
1,2-Dichloroethane	ND	Y	0.50	5
1,1,1-Trichloroethane	ND	Y	0.50	200
Carbon tetrachloride	ND	Y	0.50	5
Benzene	ND	Y	0.50	5
1,2-Dichloropropane	ND	Y	0.50	5
Trichloroethene	ND	Y	0.50	5
1,1,2-Trichloroethane	ND	Y	0.50	5
Toluene	ND	Y	0.50	1000
Tetrachloroethene	ND	Y	0.50	5
Chlorobenzene	ND	Y	0.50	100
Ethylbenzene	ND	Y	0.50	700
Styrene	ND	Y	0.50	100
1,4-Dichlorobenzene	ND	Y	0.50	75
1,2-Dichlorobenzene	ND	Y	0.50	600
1,2,4-Trichlorobenzene	ND	Y	0.50	70
Xylenes, total	ND	Y	0.50	10000

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Reported:
07/03/13 12:16
Page 6 of 27



Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name: **ROCKTON VILLAGE OF**

Project/Facility Number: 2010355004 Date Received: 06/27/13

Funding Code: BE04 Visit Number:

Trip ID: Temperature C: 17.00

Client Sample ID: **G212** Lab Sample ID: **SF31662-07**

Matrix: Drinking Water Collected By: MH Date/Time Collected: 06/26/13 12:05

Sample Type: Sample Depth: Total Depth: 0

Volatile Organic Compounds by GC/MS

Method: 524.2 Prepared: 06/28/13 10:10

Units: ug/L Analyzed: 06/28/13 16:27

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Vinyl chloride	ND	Y	0.50	2
1,1-Dichloroethene	ND	Y	0.50	7
Methylene chloride	ND	Y	0.50	5
trans-1,2-Dichloroethene	ND	Y	0.50	100
Methyl tert-butyl ether	ND	Y	0.50	
cis-1,2-Dichloroethene	ND	Y	0.50	70
1,2-Dichloroethane	ND	Y	0.50	5
1,1,1-Trichloroethane	ND	Y	0.50	200
Carbon tetrachloride	ND	Y	0.50	5
Benzene	ND	Y	0.50	5
1,2-Dichloropropane	ND	Y	0.50	5
Trichloroethene	ND	Y	0.50	5
1,1,2-Trichloroethane	ND	Y	0.50	5
Toluene	ND	Y	0.50	1000
Tetrachloroethene	ND	Y	0.50	5
Chlorobenzene	ND	Y	0.50	100
Ethylbenzene	ND	Y	0.50	700
Styrene	ND	Y	0.50	100
1,4-Dichlorobenzene	ND	Y	0.50	75
1,2-Dichlorobenzene	ND	Y	0.50	600
1,2,4-Trichlorobenzene	ND	Y	0.50	70
Xylenes, total	ND	Y	0.50	10000

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Reported:
07/03/13 12:16
Page 7 of 27



Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name: **ROCKTON VILLAGE OF**

Project/Facility Number: 2010355004 Date Received: 06/27/13

Funding Code: BE04 Visit Number:

Trip ID: Temperature C: 17.00

Client Sample ID: **G227** Lab Sample ID: **SF31662-08**

Matrix: Drinking Water Collected By: MH Date/Time Collected: 06/26/13 12:15

Sample Type: Sample Depth: Total Depth: 0

Volatile Organic Compounds by GC/MS

Method: 524.2 Prepared: 06/28/13 10:10

Units: ug/L Analyzed: 06/28/13 17:04

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Vinyl chloride	ND	Y	0.50	2
1,1-Dichloroethene	ND	Y	0.50	7
Methylene chloride	ND	Y	0.50	5
trans-1,2-Dichloroethene	ND	Y	0.50	100
Methyl tert-butyl ether	ND	Y	0.50	
cis-1,2-Dichloroethene	ND	Y	0.50	70
1,2-Dichloroethane	ND	Y	0.50	5
1,1,1-Trichloroethane	ND	Y	0.50	200
Carbon tetrachloride	ND	Y	0.50	5
Benzene	ND	Y	0.50	5
1,2-Dichloropropane	ND	Y	0.50	5
Trichloroethene	ND	Y	0.50	5
1,1,2-Trichloroethane	ND	Y	0.50	5
Toluene	ND	Y	0.50	1000
Tetrachloroethene	ND	Y	0.50	5
Chlorobenzene	ND	Y	0.50	100
Ethylbenzene	ND	Y	0.50	700
Styrene	ND	Y	0.50	100
1,4-Dichlorobenzene	ND	Y	0.50	75
1,2-Dichlorobenzene	ND	Y	0.50	600
1,2,4-Trichlorobenzene	ND	Y	0.50	70
Xylenes, total	ND	Y	0.50	10000

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Reported:
07/03/13 12:16
Page 8 of 27



Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name: **ROCKTON VILLAGE OF**

Project/Facility Number: 2010355004 Date Received: 06/27/13

Funding Code: BE04 Visit Number:

Trip ID: Temperature C: 17.00

Client Sample ID: **G263** Lab Sample ID: **SF31662-09**

Matrix: Drinking Water Collected By: MH Date/Time Collected: 06/26/13 13:25

Sample Type: Sample Depth: Total Depth: 0

Volatile Organic Compounds by GC/MS

Method: 524.2 Prepared: 06/28/13 10:10

Units: ug/L Analyzed: 06/28/13 17:40

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Vinyl chloride	ND	Y	0.50	2
1,1-Dichloroethene	ND	Y	0.50	7
Methylene chloride	ND	Y	0.50	5
trans-1,2-Dichloroethene	ND	Y	0.50	100
Methyl tert-butyl ether	ND	Y	0.50	
cis-1,2-Dichloroethene	ND	Y	0.50	70
1,2-Dichloroethane	ND	Y	0.50	5
1,1,1-Trichloroethane	ND	Y	0.50	200
Carbon tetrachloride	ND	Y	0.50	5
Benzene	ND	Y	0.50	5
1,2-Dichloropropane	ND	Y	0.50	5
Trichloroethene	ND	Y	0.50	5
1,1,2-Trichloroethane	ND	Y	0.50	5
Toluene	ND	Y	0.50	1000
Tetrachloroethene	ND	Y	0.50	5
Chlorobenzene	ND	Y	0.50	100
Ethylbenzene	ND	Y	0.50	700
Styrene	ND	Y	0.50	100
1,4-Dichlorobenzene	ND	Y	0.50	75
1,2-Dichlorobenzene	ND	Y	0.50	600
1,2,4-Trichlorobenzene	ND	Y	0.50	70
Xylenes, total	ND	Y	0.50	10000

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Reported:
07/03/13 12:16
Page 9 of 27



Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name: **ROCKTON VILLAGE OF**

Project/Facility Number: 2010355004 Date Received: 06/27/13

Funding Code: BE04 Visit Number:

Trip ID: Temperature C: 17.00

Client Sample ID: **G020** Lab Sample ID: **SF31662-10**

Matrix: Drinking Water Collected By: MH Date/Time Collected: 06/26/13 13:55

Sample Type: Sample Depth: Total Depth: 0

Volatile Organic Compounds by GC/MS

Method: 524.2 Prepared: 06/28/13 10:10

Units: ug/L Analyzed: 06/28/13 18:16

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Vinyl chloride	ND	Y	0.50	2
1,1-Dichloroethene	ND	Y	0.50	7
Methylene chloride	ND	Y	0.50	5
trans-1,2-Dichloroethene	ND	Y	0.50	100
Methyl tert-butyl ether	ND	Y	0.50	
cis-1,2-Dichloroethene	ND	Y	0.50	70
1,2-Dichloroethane	ND	Y	0.50	5
1,1,1-Trichloroethane	ND	Y	0.50	200
Carbon tetrachloride	ND	Y	0.50	5
Benzene	ND	Y	0.50	5
1,2-Dichloropropane	ND	Y	0.50	5
Trichloroethene	ND	Y	0.50	5
1,1,2-Trichloroethane	ND	Y	0.50	5
Toluene	ND	Y	0.50	1000
Tetrachloroethene	ND	Y	0.50	5
Chlorobenzene	ND	Y	0.50	100
Ethylbenzene	ND	Y	0.50	700
Styrene	ND	Y	0.50	100
1,4-Dichlorobenzene	ND	Y	0.50	75
1,2-Dichlorobenzene	ND	Y	0.50	600
1,2,4-Trichlorobenzene	ND	Y	0.50	70
Xylenes, total	ND	Y	0.50	10000

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Reported:
07/03/13 12:16
Page 10 of 27



Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name: **ROCKTON VILLAGE OF**

Project/Facility Number: 2010355004 Date Received: 06/27/13

Funding Code: BE04 Visit Number:

Trip ID: Temperature C: 17.00

Client Sample ID: **G030** Lab Sample ID: **SF31662-11**

Matrix: Drinking Water Collected By: MH Date/Time Collected: 06/26/13 14:05

Sample Type: Sample Depth: Total Depth: 0

Volatile Organic Compounds by GC/MS

Method: 524.2 Prepared: 06/28/13 10:10

Units: ug/L Analyzed: 06/28/13 18:53

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Vinyl chloride	ND	Y	0.50	2
1,1-Dichloroethene	ND	Y	0.50	7
Methylene chloride	ND	Y	0.50	5
trans-1,2-Dichloroethene	ND	Y	0.50	100
Methyl tert-butyl ether	ND	Y	0.50	
cis-1,2-Dichloroethene	ND	Y	0.50	70
1,2-Dichloroethane	ND	Y	0.50	5
1,1,1-Trichloroethane	ND	Y	0.50	200
Carbon tetrachloride	ND	Y	0.50	5
Benzene	ND	Y	0.50	5
1,2-Dichloropropane	ND	Y	0.50	5
Trichloroethene	ND	Y	0.50	5
1,1,2-Trichloroethane	ND	Y	0.50	5
Toluene	ND	Y	0.50	1000
Tetrachloroethene	ND	Y	0.50	5
Chlorobenzene	ND	Y	0.50	100
Ethylbenzene	ND	Y	0.50	700
Styrene	ND	Y	0.50	100
1,4-Dichlorobenzene	ND	Y	0.50	75
1,2-Dichlorobenzene	ND	Y	0.50	600
1,2,4-Trichlorobenzene	ND	Y	0.50	70
Xylenes, total	ND	Y	0.50	10000

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Reported:
07/03/13 12:16
Page 11 of 27



Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name: **ROCKTON VILLAGE OF**

Project/Facility Number: 2010355004 Date Received: 06/27/13

Funding Code: BE04 Visit Number:

Trip ID: Temperature C: 17.00

Client Sample ID: **G258** Lab Sample ID: **SF31662-12**

Matrix: Drinking Water Collected By: MH Date/Time Collected: 06/26/13 14:35

Sample Type: Sample Depth: Total Depth: 0

Volatile Organic Compounds by GC/MS

Method: 524.2 Prepared: 06/28/13 10:10

Units: ug/L Analyzed: 06/28/13 19:29

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Vinyl chloride	ND	Y	0.50	2
1,1-Dichloroethene	ND	Y	0.50	7
Methylene chloride	ND	Y	0.50	5
trans-1,2-Dichloroethene	ND	Y	0.50	100
Methyl tert-butyl ether	ND	Y	0.50	
cis-1,2-Dichloroethene	ND	Y	0.50	70
1,2-Dichloroethane	ND	Y	0.50	5
1,1,1-Trichloroethane	ND	Y	0.50	200
Carbon tetrachloride	ND	Y	0.50	5
Benzene	ND	Y	0.50	5
1,2-Dichloropropane	ND	Y	0.50	5
Trichloroethene	0.50	Y	0.50	5
1,1,2-Trichloroethane	ND	Y	0.50	5
Toluene	ND	Y	0.50	1000
Tetrachloroethene	ND	Y	0.50	5
Chlorobenzene	ND	Y	0.50	100
Ethylbenzene	ND	Y	0.50	700
Styrene	ND	Y	0.50	100
1,4-Dichlorobenzene	ND	Y	0.50	75
1,2-Dichlorobenzene	ND	Y	0.50	600
1,2,4-Trichlorobenzene	ND	Y	0.50	70
Xylenes, total	ND	Y	0.50	10000

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Test results meet all requirements of NELAC (accredited by Florida DOH #E37645). If you have any questions about this report, please contact Celeste Crowley, Acting Laboratory Manager, at 217.782.9780

Reported:
07/03/13 12:16
Page 12 of 27



Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name: **ROCKTON VILLAGE OF**

Project/Facility Number: 2010355004 Date Received: 06/27/13

Funding Code: BE04 Visit Number:

Trip ID: Temperature C: 17.00

Client Sample ID: **G2191** Lab Sample ID: **SF31662-13**

Matrix: Drinking Water Collected By: MH Date/Time Collected: 06/26/13 15:34

Sample Type: Sample Depth: Total Depth: 0

Volatile Organic Compounds by GC/MS

Method: 524.2 Prepared: 06/28/13 10:10

Units: ug/L Analyzed: 06/28/13 20:06

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Vinyl chloride	ND	Y	0.50	2
1,1-Dichloroethene	ND	Y	0.50	7
Methylene chloride	ND	Y	0.50	5
trans-1,2-Dichloroethene	ND	Y	0.50	100
Methyl tert-butyl ether	ND	Y	0.50	
cis-1,2-Dichloroethene	ND	Y	0.50	70
1,2-Dichloroethane	ND	Y	0.50	5
1,1,1-Trichloroethane	ND	Y	0.50	200
Carbon tetrachloride	ND	Y	0.50	5
Benzene	ND	Y	0.50	5
1,2-Dichloropropane	ND	Y	0.50	5
Trichloroethene	ND	Y	0.50	5
1,1,2-Trichloroethane	ND	Y	0.50	5
Toluene	ND	Y	0.50	1000
Tetrachloroethene	ND	Y	0.50	5
Chlorobenzene	ND	Y	0.50	100
Ethylbenzene	ND	Y	0.50	700
Styrene	ND	Y	0.50	100
1,4-Dichlorobenzene	ND	Y	0.50	75
1,2-Dichlorobenzene	ND	Y	0.50	600
1,2,4-Trichlorobenzene	ND	Y	0.50	70
Xylenes, total	ND	Y	0.50	10000

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Test results meet all requirements of NELAC (accredited by Florida DOH #E37645). If you have any questions about this report, please contact Celeste Crowley, Acting Laboratory Manager, at 217.782.9780

Reported:
07/03/13 12:16
Page 13 of 27



Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name: **ROCKTON VILLAGE OF**

Project/Facility Number: 2010355004 Date Received: 06/27/13

Funding Code: BE04 Visit Number:

Trip ID: Temperature C: 17.00

Client Sample ID: **G219M** Lab Sample ID: **SF31662-14**

Matrix: Drinking Water Collected By: MH Date/Time Collected: 06/26/13 15:34

Sample Type: Sample Depth: Total Depth: 0

Volatile Organic Compounds by GC/MS

Method: 524.2 Prepared: 06/28/13 10:10

Units: ug/L Analyzed: 06/28/13 20:42

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Vinyl chloride	ND	Y	0.50	2
1,1-Dichloroethene	ND	Y	0.50	7
Methylene chloride	ND	Y	0.50	5
trans-1,2-Dichloroethene	ND	Y	0.50	100
Methyl tert-butyl ether	ND	Y	0.50	
cis-1,2-Dichloroethene	ND	Y	0.50	70
1,2-Dichloroethane	ND	Y	0.50	5
1,1,1-Trichloroethane	ND	Y	0.50	200
Carbon tetrachloride	ND	Y	0.50	5
Benzene	ND	Y	0.50	5
1,2-Dichloropropane	ND	Y	0.50	5
Trichloroethene	ND	Y	0.50	5
1,1,2-Trichloroethane	ND	Y	0.50	5
Toluene	ND	Y	0.50	1000
Tetrachloroethene	0.82	Y	0.50	5
Chlorobenzene	ND	Y	0.50	100
Ethylbenzene	ND	Y	0.50	700
Styrene	ND	Y	0.50	100
1,4-Dichlorobenzene	ND	Y	0.50	75
1,2-Dichlorobenzene	ND	Y	0.50	600
1,2,4-Trichlorobenzene	ND	Y	0.50	70
Xylenes, total	ND	Y	0.50	10000

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Reported:
07/03/13 12:16
Page 14 of 27



Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name: **ROCKTON VILLAGE OF**

Project/Facility Number: 2010355004 Date Received: 06/27/13

Funding Code: BE04 Visit Number:

Trip ID: Temperature C: 17.00

Client Sample ID: **G219E** Lab Sample ID: **SF31662-15**

Matrix: Drinking Water Collected By: MH Date/Time Collected: 06/26/13 15:34

Sample Type: Sample Depth: Total Depth: 0

Volatile Organic Compounds by GC/MS

Method: 524.2 Prepared: 06/28/13 10:10

Units: ug/L Analyzed: 06/28/13 21:18

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Vinyl chloride	ND	Y	0.50	2
1,1-Dichloroethene	ND	Y	0.50	7
Methylene chloride	ND	Y	0.50	5
trans-1,2-Dichloroethene	ND	Y	0.50	100
Methyl tert-butyl ether	ND	Y	0.50	
cis-1,2-Dichloroethene	ND	Y	0.50	70
1,2-Dichloroethane	ND	Y	0.50	5
1,1,1-Trichloroethane	ND	Y	0.50	200
Carbon tetrachloride	ND	Y	0.50	5
Benzene	ND	Y	0.50	5
1,2-Dichloropropane	ND	Y	0.50	5
Trichloroethene	ND	Y	0.50	5
1,1,2-Trichloroethane	ND	Y	0.50	5
Toluene	ND	Y	0.50	1000
Tetrachloroethene	ND	Y	0.50	5
Chlorobenzene	ND	Y	0.50	100
Ethylbenzene	ND	Y	0.50	700
Styrene	ND	Y	0.50	100
1,4-Dichlorobenzene	ND	Y	0.50	75
1,2-Dichlorobenzene	ND	Y	0.50	600
1,2,4-Trichlorobenzene	ND	Y	0.50	70
Xylenes, total	ND	Y	0.50	10000

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Test results meet all requirements of NELAP (accredited by Florida DOH #E37645). If you have any questions about this report, please contact Celeste Crowley, Acting Laboratory Manager at 217.782.9780.

Reported:

07/03/13 12:16

Page 15 of 27



Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name: **ROCKTON VILLAGE OF**

Project/Facility Number: 2010355004 Date Received: 06/27/13

Funding Code: BE04 Visit Number:

Trip ID: Temperature C: 17.00

Client Sample ID: **G2151** Lab Sample ID: **SF31662-16**

Matrix: Drinking Water Collected By: MH Date/Time Collected: 06/26/13 15:50

Sample Type: Sample Depth: Total Depth: 0

Volatile Organic Compounds by GC/MS

Method: 524.2 Prepared: 07/01/13 10 26

Units: ug/L Analyzed: 07/01/13 12 51

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Vinyl chloride	ND	Y	0.50	2
1,1-Dichloroethene	ND	Y	0.50	7
Methylene chloride	ND	Y	0.50	5
trans-1,2-Dichloroethene	ND	Y	0.50	100
Methyl tert-butyl ether	ND	Y	0.50	
cis-1,2-Dichloroethene	ND	Y	0.50	70
1,2-Dichloroethane	ND	Y	0.50	5
1,1,1-Trichloroethane	ND	Y	0.50	200
Carbon tetrachloride	ND	Y	0.50	5
Benzene	ND	Y	0.50	5
1,2-Dichloropropane	ND	Y	0.50	5
Trichloroethene	ND	Y	0.50	5
1,1,2-Trichloroethane	ND	Y	0.50	5
Toluene	ND	Y	0.50	1000
Tetrachloroethene	ND	Y	0.50	5
Chlorobenzene	ND	Y	0.50	100
Ethylbenzene	ND	Y	0.50	700
Styrene	ND	Y	0.50	100
1,4-Dichlorobenzene	ND	Y	0.50	75
1,2-Dichlorobenzene	ND	Y	0.50	600
1,2,4-Trichlorobenzene	ND	Y	0.50	70
Xylenes, total	ND	Y	0.50	10000

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Reported:
07/03/13 12 16
Page 16 of 27



Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name: **ROCKTON VILLAGE OF**

Project/Facility Number: 2010355004 Date Received: 06/27/13

Funding Code: BE04 Visit Number:

Trip ID: Temperature C: 17.00

Client Sample ID: **G215M** Lab Sample ID: **SF31662-17**

Matrix: Drinking Water Collected By: MH Date/Time Collected: 06/26/13 15:50

Sample Type: Sample Depth: Total Depth: 0

Volatile Organic Compounds by GC/MS

Method: 524.2 Prepared: 07/01/13 10:26

Units: ug/L Analyzed: 07/01/13 13:28

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Vinyl chloride	ND	Y	0.50	2
1,1-Dichloroethene	ND	Y	0.50	7
Methylene chloride	ND	Y	0.50	5
trans-1,2-Dichloroethene	ND	Y	0.50	100
Methyl tert-butyl ether	ND	Y	0.50	
cis-1,2-Dichloroethene	ND	Y	0.50	70
1,2-Dichloroethane	ND	Y	0.50	5
1,1,1-Trichloroethane	ND	Y	0.50	200
Carbon tetrachloride	ND	Y	0.50	5
Benzene	ND	Y	0.50	5
1,2-Dichloropropane	ND	Y	0.50	5
Trichloroethene	ND	Y	0.50	5
1,1,2-Trichloroethane	ND	Y	0.50	5
Toluene	ND	Y	0.50	1000
Tetrachloroethene	ND	Y	0.50	5
Chlorobenzene	ND	Y	0.50	100
Ethylbenzene	ND	Y	0.50	700
Styrene	ND	Y	0.50	100
1,4-Dichlorobenzene	ND	Y	0.50	75
1,2-Dichlorobenzene	ND	Y	0.50	600
1,2,4-Trichlorobenzene	ND	Y	0.50	70
Xylenes, total	ND	Y	0.50	10000

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Reported:

07/03/13 12:16

Page 17 of 27



Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name: **ROCKTON VILLAGE OF**

Project/Facility Number: 2010355004 Date Received: 06/27/13

Funding Code: BE04 Visit Number:

Trip ID: Temperature C: 17.00

Client Sample ID: **G215E** Lab Sample ID: **SF31662-18**

Matrix: Drinking Water Collected By: MH Date/Time Collected: 06/26/13 15:50

Sample Type: Sample Depth: Total Depth: 0

Volatile Organic Compounds by GC/MS

Method: 524.2 Prepared: 07/01/13 10:26

Units: ug/L Analyzed: 07/01/13 14:04

Analyte	Result	Qualifier	Reporting Limit	Regulatory Level
Vinyl chloride	ND	Y	0.50	2
1,1-Dichloroethene	ND	Y	0.50	7
Methylene chloride	ND	Y	0.50	5
trans-1,2-Dichloroethene	ND	Y	0.50	100
Methyl tert-butyl ether	ND	Y	0.50	
cis-1,2-Dichloroethene	ND	Y	0.50	70
1,2-Dichloroethane	ND	Y	0.50	5
1,1,1-Trichloroethane	ND	Y	0.50	200
Carbon tetrachloride	ND	Y	0.50	5
Benzene	ND	Y	0.50	5
1,2-Dichloropropane	ND	Y	0.50	5
Trichloroethene	ND	Y	0.50	5
1,1,2-Trichloroethane	ND	Y	0.50	5
Toluene	ND	Y	0.50	1000
Tetrachloroethene	ND	Y	0.50	5
Chlorobenzene	ND	Y	0.50	100
Ethylbenzene	ND	Y	0.50	700
Styrene	ND	Y	0.50	100
1,4-Dichlorobenzene	ND	Y	0.50	75
1,2-Dichlorobenzene	ND	Y	0.50	600
1,2,4-Trichlorobenzene	ND	Y	0.50	70
Xylenes, total	ND	Y	0.50	10000

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Reported:
07/03/13 12:16
Page 18 of 27



Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name: **ROCKTON VILLAGE OF**

Project/Facility Number: 2010355004 Date Received : 06/27/13

Funding Code: BE04 Visit Number:

Trip ID Temperature C: 17.00

Client Sample ID: **G265** Lab Sample ID: **SF31662-19**

Matrix: Drinking Water Collected By: MH Date/Time Collected: 06/26/13 16:00

Sample Type: Sample Depth: Total Depth: 0

Volatile Organic Compounds by GC/MS

Method: 524.2 Prepared: 07/01/13 10:26

Units: ug/L Analyzed: 07/01/13 14:40

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Vinyl chloride	ND	Y	0.50	2
1,1-Dichloroethene	ND	Y	0.50	7
Methylene chloride	ND	Y	0.50	5
trans-1,2-Dichloroethene	ND	Y	0.50	100
Methyl tert-butyl ether	ND	Y	0.50	
cis-1,2-Dichloroethene	ND	Y	0.50	70
1,2-Dichloroethane	ND	Y	0.50	5
1,1,1-Trichloroethane	ND	Y	0.50	200
Carbon tetrachloride	ND	Y	0.50	5
Benzene	ND	Y	0.50	5
1,2-Dichloropropane	ND	Y	0.50	5
Trichloroethene	ND	Y	0.50	5
1,1,2-Trichloroethane	ND	Y	0.50	5
Toluene	ND	Y	0.50	1000
Tetrachloroethene	ND	Y	0.50	5
Chlorobenzene	ND	Y	0.50	100
Ethylbenzene	ND	Y	0.50	700
Styrene	ND	Y	0.50	100
1,4-Dichlorobenzene	ND	Y	0.50	75
1,2-Dichlorobenzene	ND	Y	0.50	600
1,2,4-Trichlorobenzene	ND	Y	0.50	70
Xylenes, total	ND	Y	0.50	10000

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Test results meet all requirements of NELAP (accredited by Florida DOH #E37645). If you have any questions about this report, please contact Celeste Crowley, Acting Laboratory Manager, at 217.782.9780.

Reported:
07/03/13 12:16
Page 19 of 27



Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name: **ROCKTON VILLAGE OF**

Project/Facility Number: 2010355004 Date Received: 06/27/13

Funding Code: BE04 Visit Number:

Trip ID: Temperature C: 17.00

Client Sample ID: **G264** Lab Sample ID: **SF31662-20**

Matrix: Drinking Water Collected By: MH Date/Time Collected: 06/26/13 16:20

Sample Type: Sample Depth: Total Depth: 0

Volatile Organic Compounds by GC/MS

Method: 524.2 Prepared: 07/01/13 10:26

Units: ug/L Analyzed: 07/01/13 15:17

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Vinyl chloride	ND	Y	0.50	2
1,1-Dichloroethene	ND	Y	0.50	7
Methylene chloride	ND	Y	0.50	5
trans-1,2-Dichloroethene	ND	Y	0.50	100
Methyl tert-butyl ether	ND	Y	0.50	
cis-1,2-Dichloroethene	ND	Y	0.50	70
1,2-Dichloroethane	ND	Y	0.50	5
1,1,1-Trichloroethane	ND	Y	0.50	200
Carbon tetrachloride	ND	Y	0.50	5
Benzene	ND	Y	0.50	5
1,2-Dichloropropane	ND	Y	0.50	5
Trichloroethene	ND	Y	0.50	5
1,1,2-Trichloroethane	ND	Y	0.50	5
Toluene	ND	Y	0.50	1000
Tetrachloroethene	ND	Y	0.50	5
Chlorobenzene	ND	Y	0.50	100
Ethylbenzene	ND	Y	0.50	700
Styrene	ND	Y	0.50	100
1,4-Dichlorobenzene	ND	Y	0.50	75
1,2-Dichlorobenzene	ND	Y	0.50	600
1,2,4-Trichlorobenzene	ND	Y	0.50	70
Xylenes, total	ND	Y	0.50	10000

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Test results meet all requirements of NELAC (accredited by Florida DOH #E37645). If you have any questions about this report, please contact Celeste Crowley, Acting Laboratory Manager, at 217.782.9780.

Reported:
07/03/13 12:16
Page 20 of 27



Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name: **ROCKTON VILLAGE OF**

Project/Facility Number: 2010355004 Date Received: 06/27/13

Funding Code: BE04 Visit Number:

Trip ID: Temperature C: 17.00

Client Sample ID: **G266** Lab Sample ID: **SF31662-21**

Matrix: Drinking Water Collected By: MH Date/Time Collected: 06/26/13 16:35

Sample Type: Sample Depth: Total Depth: 0

Volatile Organic Compounds by GC/MS

Method: 524.2 Prepared: 07/01/13 10:26

Units: ug/L Analyzed: 07/01/13 15:53

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Vinyl chloride	ND	Y	0.50	2
1,1-Dichloroethene	ND	Y	0.50	7
Methylene chloride	ND	Y	0.50	5
trans-1,2-Dichloroethene	ND	Y	0.50	100
Methyl tert-butyl ether	ND	Y	0.50	
cis-1,2-Dichloroethene	ND	Y	0.50	70
1,2-Dichloroethane	ND	Y	0.50	5
1,1,1-Trichloroethane	ND	Y	0.50	200
Carbon tetrachloride	ND	Y	0.50	5
Benzene	ND	Y	0.50	5
1,2-Dichloropropane	ND	Y	0.50	5
Trichloroethene	ND	Y	0.50	5
1,1,2-Trichloroethane	ND	Y	0.50	5
Toluene	ND	Y	0.50	1000
Tetrachloroethene	0.57	Y	0.50	5
Chlorobenzene	ND	Y	0.50	100
Ethylbenzene	ND	Y	0.50	700
Styrene	ND	Y	0.50	100
1,4-Dichlorobenzene	ND	Y	0.50	75
1,2-Dichlorobenzene	ND	Y	0.50	600
1,2,4-Trichlorobenzene	ND	Y	0.50	70
Xylenes, total	ND	Y	0.50	10000

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Test results meet all requirements of NELAC (accredited by Florida DOH #E37643). If you have any questions about this report, please contact Celeste Crowley, Acting Laboratory Manager, at 217.782.9780.

Reported:
07/03/13 12:16
Page 21 of 27



Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name: **ROCKTON VILLAGE OF**

Project/Facility Number: 2010355004 Date Received: 06/27/13

Funding Code: BE04 Visit Number:

Trip ID: Temperature C: 17.00

Client Sample ID: **MUN5** Lab Sample ID: **SF31662-22**

Matrix: Drinking Water Collected By: MH Date/Time Collected: 06/27/13 9:00

Sample Type: Sample Depth: Total Depth: 0

Volatile Organic Compounds by GC/MS

Method: 524.2 Prepared: 07/01/13 10:26

Units: ug/L Analyzed: 07/01/13 16:29

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Vinyl chloride	ND	Y	0.50	2
1,1-Dichloroethene	ND	Y	0.50	7
Methylene chloride	ND	Y	0.50	5
trans-1,2-Dichloroethene	ND	Y	0.50	100
Methyl tert-butyl ether	ND	Y	0.50	
cis-1,2-Dichloroethene	ND	Y	0.50	70
1,2-Dichloroethane	ND	Y	0.50	5
1,1,1-Trichloroethane	ND	Y	0.50	200
Carbon tetrachloride	ND	Y	0.50	5
Benzene	ND	Y	0.50	5
1,2-Dichloropropane	ND	Y	0.50	5
Trichloroethene	ND	Y	0.50	5
1,1,2-Trichloroethane	ND	Y	0.50	5
Toluene	ND	Y	0.50	1000
Tetrachloroethene	ND	Y	0.50	5
Chlorobenzene	ND	Y	0.50	100
Ethylbenzene	ND	Y	0.50	700
Styrene	ND	Y	0.50	100
1,4-Dichlorobenzene	ND	Y	0.50	75
1,2-Dichlorobenzene	ND	Y	0.50	600
1,2,4-Trichlorobenzene	ND	Y	0.50	70
Xylenes, total	ND	Y	0.50	10000

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Reported:

07/03/13 12:16

Page 22 of 27



Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name: **ROCKTON VILLAGE OF**

Project/Facility Number: 2010355004 Date Received: 06/27/13

Funding Code: BE04 Visit Number:

Trip ID: Temperature C: 17.00

Client Sample ID: **G238** Lab Sample ID: **SF31662-23**

Matrix: Drinking Water Collected By: MH Date/Time Collected: 06/27/13 9:45

Sample Type: Sample Depth: Total Depth: 0

Volatile Organic Compounds by GC/MS

Method: 524.2 Prepared: 07/01/13 10:26

Units: ug/L Analyzed: 07/01/13 17:06

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Vinyl chloride	ND	Y	0.50	2
1,1-Dichloroethene	ND	Y	0.50	7
Methylene chloride	ND	Y	0.50	5
trans-1,2-Dichloroethene	ND	Y	0.50	100
Methyl tert-butyl ether	ND	Y	0.50	
cis-1,2-Dichloroethene	ND	Y	0.50	70
1,2-Dichloroethane	ND	Y	0.50	5
1,1,1-Trichloroethane	ND	Y	0.50	200
Carbon tetrachloride	ND	Y	0.50	5
Benzene	ND	Y	0.50	5
1,2-Dichloropropane	ND	Y	0.50	5
Trichloroethene	ND	Y	0.50	5
1,1,2-Trichloroethane	ND	Y	0.50	5
Toluene	ND	Y	0.50	1000
Tetrachloroethene	ND	Y	0.50	5
Chlorobenzene	ND	Y	0.50	100
Ethylbenzene	ND	Y	0.50	700
Styrene	ND	Y	0.50	100
1,4-Dichlorobenzene	ND	Y	0.50	75
1,2-Dichlorobenzene	ND	Y	0.50	600
1,2,4-Trichlorobenzene	ND	Y	0.50	70
Xylenes, total	ND	Y	0.50	10000

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Reported:

07/03/13 12:16

Page 23 of 27



Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name: **ROCKTON VILLAGE OF**

Project/Facility Number: 2010355004 Date Received: 06/27/13

Funding Code: BE04 Visit Number:

Trip ID: Temperature C: 17.00

Client Sample ID: **G250** Lab Sample ID: **SF31662-24**

Matrix: Drinking Water Collected By: MH Date/Time Collected: 06/27/13 10:20

Sample Type: Sample Depth: Total Depth: 0

Volatile Organic Compounds by GC/MS

Method: 524.2 Prepared: 07/01/13 10:26

Units: ug/L Analyzed: 07/01/13 17:42

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Vinyl chloride	ND	Y	0.50	2
1,1-Dichloroethene	ND	Y	0.50	7
Methylene chloride	ND	Y	0.50	5
trans-1,2-Dichloroethene	ND	Y	0.50	100
Methyl tert-butyl ether	ND	Y	0.50	
cis-1,2-Dichloroethene	ND	Y	0.50	70
1,2-Dichloroethane	ND	Y	0.50	5
1,1,1-Trichloroethane	ND	Y	0.50	200
Carbon tetrachloride	ND	Y	0.50	5
Benzene	ND	Y	0.50	5
1,2-Dichloropropane	ND	Y	0.50	5
Trichloroethene	ND	Y	0.50	5
1,1,2-Trichloroethane	ND	Y	0.50	5
Toluene	ND	Y	0.50	1000
Tetrachloroethene	ND	Y	0.50	5
Chlorobenzene	ND	Y	0.50	100
Ethylbenzene	ND	Y	0.50	700
Styrene	ND	Y	0.50	100
1,4-Dichlorobenzene	ND	Y	0.50	75
1,2-Dichlorobenzene	ND	Y	0.50	600
1,2,4-Trichlorobenzene	ND	Y	0.50	70
Xylenes, total	ND	Y	0.50	10000

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Test results meet all requirements of NELAP (accredited by Florida DOH #E37645). If you have any questions about this report, please contact Celeste Crowley, Acting Laboratory Manager, at 217.782.9780.

Reported:
07/03/13 12:16
Page 24 of 27



Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name: **ROCKTON VILLAGE OF**

Project/Facility Number: 2010355004 Date Received: 06/27/13

Funding Code: BE04 Visit Number:

Trip ID: Temperature C: 17.00

Client Sample ID: **G236** Lab Sample ID: **SF31662-25**

Matrix: Drinking Water Collected By: MH Date/Time Collected: 06/27/13 10:45

Sample Type: Sample Depth: Total Depth: 0

Volatile Organic Compounds by GC/MS

Method: 524.2 Prepared: 07/01/13 10:26

Units: ug/L Analyzed: 07/01/13 18:18

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Vinyl chloride	ND	Y	0.50	2
1,1-Dichloroethene	ND	Y	0.50	7
Methylene chloride	ND	Y	0.50	5
trans-1,2-Dichloroethene	ND	Y	0.50	100
Methyl tert-butyl ether	ND	Y	0.50	
cis-1,2-Dichloroethene	ND	Y	0.50	70
1,2-Dichloroethane	ND	Y	0.50	5
1,1,1-Trichloroethane	ND	Y	0.50	200
Carbon tetrachloride	ND	Y	0.50	5
Benzene	ND	Y	0.50	5
1,2-Dichloropropane	ND	Y	0.50	5
Trichloroethene	ND	Y	0.50	5
1,1,2-Trichloroethane	ND	Y	0.50	5
Toluene	ND	Y	0.50	1000
Tetrachloroethene	ND	Y	0.50	5
Chlorobenzene	ND	Y	0.50	100
Ethylbenzene	ND	Y	0.50	700
Styrene	ND	Y	0.50	100
1,4-Dichlorobenzene	ND	Y	0.50	75
1,2-Dichlorobenzene	ND	Y	0.50	600
1,2,4-Trichlorobenzene	ND	Y	0.50	70
Xylenes, total	ND	Y	0.50	10000

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Test results meet all requirements of NELAC (accredited by Florida DOH #E37645). If you have any questions about this report, please contact Celeste Crowley, Acting Laboratory Manager, at 217.782.9780.

Reported:
07/03/13 12:16
Page 25 of 27



Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name: **ROCKTON VILLAGE OF**

Project/Facility Number: 2010355004 Date Received: 06/27/13

Funding Code: BE04 Visit Number:

Trip ID: Temperature C: 17.00

Client Sample ID: **VOC TRIP VLANKS** Lab Sample ID: **SF31662-26**

Matrix: Drinking Water Collected By: NA Date/Time Collected: 06/27/13 0:00

Sample Type: Sample Depth: Total Depth:

Volatile Organic Compounds by GC/MS

Method: 524.2 Prepared: 07/01/13 10:26

Units: ug/L Analyzed: 07/01/13 18:55

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Vinyl chloride	ND		0.50	2
1,1-Dichloroethene	ND		0.50	7
Methylene chloride	ND		0.50	5
trans-1,2-Dichloroethene	ND		0.50	100
Methyl tert-butyl ether	ND		0.50	
cis-1,2-Dichloroethene	ND		0.50	70
1,2-Dichloroethane	ND		0.50	5
1,1,1-Trichloroethane	ND		0.50	200
Carbon tetrachloride	ND		0.50	5
Benzene	ND		0.50	5
1,2-Dichloropropane	ND		0.50	5
Trichloroethene	ND		0.50	5
1,1,2-Trichloroethane	ND		0.50	5
Toluene	ND		0.50	1000
Tetrachloroethene	ND		0.50	5
Chlorobenzene	ND		0.50	100
Ethylbenzene	ND		0.50	700
Styrene	ND		0.50	100
1,4-Dichlorobenzene	ND		0.50	75
1,2-Dichlorobenzene	ND		0.50	600
1,2,4-Trichlorobenzene	ND		0.50	70
Xylenes, total	ND		0.50	10000

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Test results meet all requirements of NELAC (accredited by Florida DOH #E37645). If you have any questions about this report, please contact Celeste Crowley, Acting Laboratory Manager, at 217.782.9780.

Reported:
07/03/13 12:16
Page 26 of 27



Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name: **ROCKTON VILLAGE OF**

Project/Facility Number: 2010355004

Date Received : 06/27/13

Funding Code: BE04

Visit Number:

Trip ID:

Temperature C: 17.00

Notes and Definitions

Y The laboratory analysis was performed on an unpreserved or improperly preserved sample.

ND Analyte NOT DETECTED at or above the reporting limit

* Non-NELAP accredited

Method 524-VOC: Samples that are Y qualified produced a pH result greater than 2 or were received outside the acceptable temperature range. Samples SF31662-01 through SF31662-21 were at an unacceptable temperature. Samples SF31662-02, -03, -04, -08, -11, -12, -16, -17, -18, -19, -20, -21, -22, -23, -25 were at a pH greater than 2

Report Authorized by:

Sally Gevston

Sally Gevston
Sample Prep Unit Supervisor

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Test results meet all requirements of NELAP (accredited by Florida DOH #E37645). If you have any questions about this report, please contact Celeste Crowley, Acting Laboratory Manager, at 217.782.9780.

Reported:

07/03/13 12:16

Page 27 of 27

APPENDIX H - NPDES Permit

NPDES Permit No. IL0064564
Notice No. JAR:13051401.jar

Public Notice Beginning Date: **June 24, 2013**

Public Notice Ending Date: **July 24, 2013**

National Pollutant Discharge Elimination System (NPDES)
Permit Program

Draft Reissued NPDES Permit to Discharge into Waters of the State

Public Notice/Fact Sheet Issued By:

Illinois Environmental Protection Agency
Bureau of Water,
Division of Water Pollution Control
Permit Section
1021 North Grand Avenue East
Post Office Box 19276
Springfield, Illinois 62794-9276
217/782-0610

Name and Address of Discharger:

Illinois Environmental Protection Agency
Bureau of Land
1021 North Grand Avenue East
P.O. Box 19276
Springfield, IL 62794

Name and Address of Facility:

Former Beloit Corp. – Blackhawk Plant
1165 Prairie Hill Road
Rockton, IL 61072
(Winnebago County)

The Illinois Environmental Protection Agency (IEPA) has made a tentative determination to issue a NPDES permit to discharge into the waters of the state and has prepared a draft permit and associated fact sheet for the above named discharger. The Public Notice period will begin and end on the dates indicated in the heading of this Public Notice/Fact Sheet. The last day comments will be received will be on the Public Notice period ending date unless a commentor demonstrating the need for additional time requests an extension to this comment period and the request is granted by the IEPA. Interested persons are invited to submit written comments on the draft permit to the IEPA at the above address. Commentors shall provide his or her name and address and the nature of the issues proposed to be raised and the evidence proposed to be presented with regards to those issues. Commentors may include a request for public hearing. Persons submitting comments and/or requests for public hearing shall also send a copy of such comments or requests to the permit applicant. The NPDES permit and notice number(s) must appear on each comment page.

The application, engineer's review notes including load limit calculations, Public Notice/Fact Sheet, draft permit, comments received, and other documents are available for inspection and may be copied at the IEPA between 9:30 a.m. and 3:30 p.m. Monday through Friday when scheduled by the interested person.

If written comments or requests indicate a significant degree of public interest in the draft permit, the permitting authority may, at its discretion, hold a public hearing. Public notice will be given 45 days before any public hearing. Response to comments will be provided when the final permit is issued. For further information, please call Jaime Rabins at 217/782-0610.

The former Beloit Corporation – Blackhawk Plant manufactured machinery for paper production (SIC 3554). Manufacturing operations were halted in May of 2001 while groundwater remediation activities were continued. Wastewater is generated by withdrawing Volatile Organic Compound impacted groundwater resulting in the discharge of 0.4 MGD from outfall 001. Wastewater is treated using equalization and air stripping.

The following modifications are proposed:

1. The permit will be transferred from Giuffre II LLC % Terra Ourus Limited to the Illinois Environmental Protection Agency for management under the Superfund Program.
2. Three new groundwater monitoring wells were constructed, for a total of seven wells, which will increase the discharge from 0.246 to 0.4 MGD. An antidegradation assessment is not required per 35 IAC302.105(d)(3) because it is a response action pursuant to CERCLA.

Application is made for existing discharge which is located in Winnebago County, Illinois. The following information identifies the discharge point, receiving stream and stream classifications:

Outfall	Receiving Stream	Latitude	Longitude	Stream Classification	Biological Stream Characterization
001	Rock River	42° 28' 20" North	89° 04' 02" West	General Use	Not Rated

To assist you further in identifying the location of the discharge please see the attached map.

The waterbody segment P-09 receiving the discharge from outfall 001 is on the draft 2012 Illinois Integrated Water Quality Report and Section 303(d) List. The receiving water has not been given an integrity rating nor been listed as biologically significant in the 2008 Illinois Department of Natural Resources publication *Integrating Multiple Taxa in a Biological Stream Rating System*. The impaired designated uses and pollutants causing impairment are tabulated below:

Designated Uses	Pollutants Causing Impairment
Fish Consumption	Polychlorinated Biphenyls (PCB's) and Mercury
Primary Contact Recreation	Fecal Coliform

The discharge from the facility shall be monitored and limited at all times as follows:

Outfall: 001 Treated Groundwater (Intermittent Discharge)

PARAMETER	LOAD LIMITS lbs/day DAF (DMF)		REGULATION	CONCENTRATION LIMITS mg/l		REGULATION
	30 DAY AVERAGE	DAILY MAXIMUM		30 DAY AVERAGE	DAILY MAXIMUM	
Flow (MGD)						
1,2 -Dichloroethane				Monitor Only		35 IAC 309.146
1,1,1-Trichloroethane				Monitor Only		35 IAC 309.146
Trichloroethylene				Monitor Only		35 IAC 309.146
Tetrachloroethylene				Monitor Only		35 IAC 309.146
1,2-Dichloroethylene				Monitor Only		35 IAC 309.146
1,1-Dichloroethane				Monitor Only		35 IAC 309.146
1,1-Dichloroethylene				Monitor Only		35 IAC 309.146

The following explain the conditions of the proposed permit:

The special conditions clarify: flow, monitoring location, discharge monitoring reports, re-opening of the permit.

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	LOAD LIMITS lbs/day			CONCENTRATION		
	DAF (DMF)			LIMITS mg/l		
PARAMETER	30 DAY AVERAGE	DAILY MAXIMUM	REGULATION	30 DAY AVERAGE	DAILY MAXIMUM	REGULATION
Flow (MGD)						
1,2 -Dichloroethane				Monitor Only		35 IAC 309.146
1,1,1-Trichloroethane				Monitor Only		35 IAC 309.146
Trichloroethylene				Monitor Only		35 IAC 309.146
Tetrachloroethylene				Monitor Only		35 IAC 309.146
1,2-Dichloroethylene				Monitor Only		35 IAC 309.146
1,1-Dichloroethane				Monitor Only		35 IAC 309.146
1,1-Dichloroethylene				Monitor Only		35 IAC 309.146

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NPDES Permit No. IL0064564
Notice No. JAR:13051401.jar

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Public Notice Ending Date: **July 24, 2013**

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Bureau of Water,
Division of Water Pollution Control
Permit Section
1021 North Grand Avenue East
Post Office Box 19276
Springfield, Illinois 62794-9276
217/782-0610

Name and Address of Discharger:

Illinois Environmental Protection Agency
Bureau of Land
1021 North Grand Avenue East
P.O. Box 19276
Springfield, IL 62794

Name and Address of Facility:

Former Beloit Corp. – Blackhawk Plant
1165 Prairie Hill Road
Rockton, IL 61072
(Winnebago County)

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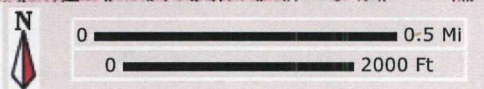
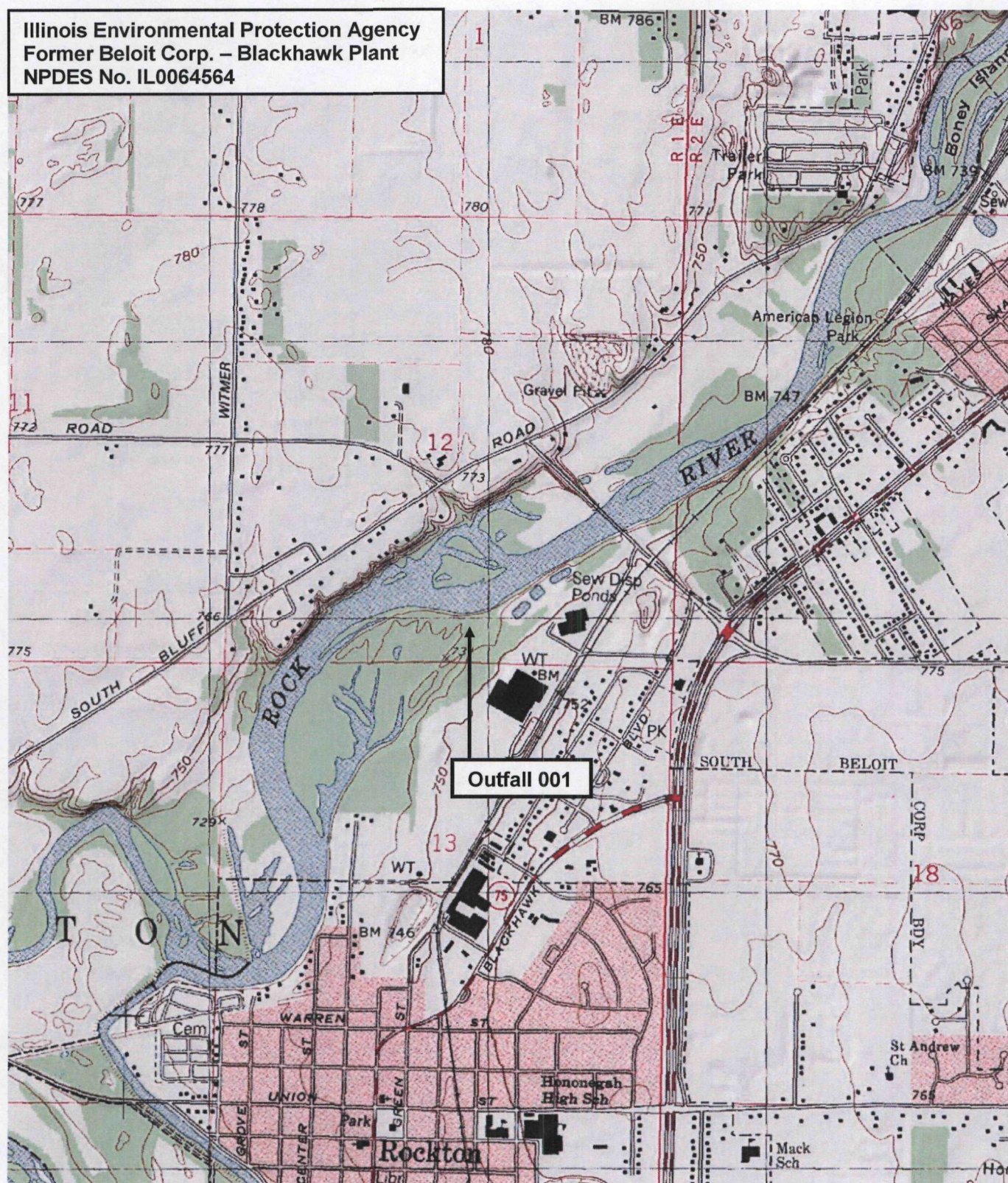
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2. Three new groundwater monitoring wells were constructed, for a total of seven wells, which will increase the discharge from 0.246 to 0.4 MGD. An antidegradation assessment is not required per 35 IAC302.105(d)(3) because it is a response action pursuant to CERCLA.



NPDES Permit No. IL0064564

Illinois Environmental Protection Agency

Division of Water Pollution Control

1021 North Grand Avenue East

Post Office Box 19276

Springfield, Illinois 62794-9276

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

Reissued (NPDES) Permit

Expiration Date:

Issue Date:

Effective Date:

Name and Address of Permittee:

Illinois Environmental Protection Agency
Bureau of Land
1021 North Grand Avenue East
P.O. Box 19276
Springfield, IL 62794

Facility Name and Address:

Former Beloit Corp. – Blackhawk Plant
1165 Prairie Hill Road
Rockton, IL 61072
(Winnebago County)

Discharge Number and Name:

001 Treated Groundwater

Receiving Waters:

Rock River

In compliance with the provisions of the Illinois Environmental Protection Act, Title 35 of Ill. Adm. Code, Subtitle C and/or Subtitle D, Chapter 1, and the Clean Water Act (CWA), the above-named permittee is hereby authorized to discharge at the above location to the above-named receiving stream in accordance with the standard conditions and attachments herein.

Permittee is not authorized to discharge after the above expiration date. In order to receive authorization to discharge beyond the expiration date, the permittee shall submit the proper application as required by the Illinois Environmental Protection Agency (IEPA) not later than 180 days prior to the expiration date.

Alan Keller, P.E.
Manager, Permit Section
Division of Water Pollution Control

SAK:JAR:13051401.jar

NPDES Permit No. IL0064564

Effluent Limitations and Monitoring

1. From the effective date of this permit until the expiration date, the effluent of the following discharge shall be monitored and limited at all times as follows:

Outfalls: 001 Treated Groundwater (DAF = 0.4 MGD)

PARAMETER	LOAD LIMITS lbs/day DAF (DMF)		CONCENTRATION LIMITS mg/l		SAMPLE FREQUENCY	SAMPLE TYPE
	30 DAY AVERAGE	DAILY MAXIMUM	30 DAY AVERAGE	DAILY MAXIMUM		
Flow	See Special Condition 1				2/Year	
1,2 -Dichloroethane					2/Year	Grab
1,1,1-Trichloroethane					2/Year	Grab
Trichloroethylene					2/Year	Grab
Tetrachloroethylene					2/Year	Grab
1,2-Dichloroethylene					2/Year	Grab
1,1-Dichloroethane					2/Year	Grab
1,1-Dichloroethylene					2/Year	Grab

Results shall be reported on the June and December DMRs.

Special Conditions

SPECIAL CONDITION 1. Flow shall be measured in units of Million Gallons per Day (MGD) and reported as a monthly average and a daily maximum value on the monthly Discharge Monitoring Report.

SPECIAL CONDITION 2. Samples taken in compliance with the effluent monitoring requirements shall be taken at a point representative of the discharge but prior to entry into the receiving stream.

SPECIAL CONDITION 3. The Permittee shall record the monitoring results on the Discharge Monitoring Report (DMR) Forms using one such form for each outfall each month.

In the event that an outfall does not discharge during a monthly reporting period, the DMR Form shall be submitted with no discharge indicated.

The Permittee may choose to submit electronic DMRs (eDMRs) instead of mailing paper DMRs to the IEPA. More information, including registration information for the eDMR program, can be obtained on the IEPA website, <http://www.epa.state.il.us/water/edmr/index.html>.

The completed Discharge Monitoring Report forms shall be submitted to IEPA no later than the 15th day of the following month, unless otherwise specified by the permitting authority.

Permittees not using eDMRs shall mail Discharge Monitoring Reports with an original signature to the IEPA at the following address:

Illinois Environmental Protection Agency
Division of Water Pollution Control
1021 North Grand Avenue East
Post Office Box 19276
Springfield, Illinois 62794-9276

Attention: Compliance Assurance Section, Mail Code # 19

SPECIAL CONDITION 4. If an applicable effluent standard or limitation is promulgated under Sections 301(b)(2)(C) and (D), 304(b)(2), and 307(a)(2) of the Clean Water Act and that effluent standard or limitation is more stringent than any effluent limitation in the permit or controls a pollutant not limited in the NPDES Permit, the Agency shall revise or modify the permit in accordance with the more stringent standard or prohibition and shall so notify the permittee.

SPECIAL CONDITION 5. In the event that the permittee must request a change in the use of water treatment additives, the permittee must request a change in this permit in accordance with Standard Conditions - - Attachment H.

SPECIAL CONDITION 6. The use or operation of this facility shall be by or under the supervision of a Certified Class K operator.